Name:

Solve each problem.

1) Which equation has only 6 as a possible value of x?

A. $x^3 = 216$
B. $x^2 = 18$
C. $x^3 = 36$
D. $x^2 = 216$

2) Which equation has only 9 as a possible value of x?

A. $x^2 = 81$
B. $x^2 = 729$
C. $x^3 = 729$
D. $x^3 = 27$

1. _____

2. _____

3. _____

4. _____

3) Which equation has only 5 as a possible value of x?

A. $x^3 = 125$
B. $x^3 = 15$
C. $x^2 = 125$
D. $x^2 = 25$

4) Which equation has both 4 and -4 as a possible value of x?

A. $x^3 = 16$
B. $x^2 = 8$
C. $x^2 = 16$
D. $x^3 = 8$

5. _____

6. _____

7. _____

8. _____

5) Which equation has only 10 as a possible value of x?

A. $x^2 = 1000$
B. $x^3 = 30$
C. $x^2 = 30$
D. $x^3 = 1000$

6) Which equation has both 7 and -7 as a possible value of x?

A. $x^3 = 14$
B. $x^3 = 343$
C. $x^2 = 343$
D. $x^2 = 49$

9. _____

10. _____

7) Which equation has both 10 and -10 as a possible value of x?

A. $x^3 = 100$
B. $x^2 = 100$
C. $x^2 = 1000$
D. $x^2 = 20$

8) Which equation has both 6 and -6 as a possible value of x?

A. $x^3 = 12$
B. $x^3 = 36$
C. $x^2 = 12$
D. $x^2 = 36$

9) Which equation has only 8 as a possible value of x?

A. $x^3 = 512$
B. $x^2 = 512$
C. $x^2 = 24$
D. $x^2 = 64$

10) Which equation has both 9 and -9 as a possible value of x?

A. $x^2 = 18$
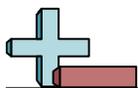B. $x^3 = 729$
C. $x^3 = 18$
D. $x^2 = 81$

Name:

Solve each problem.

1) Which equation has only 6 as a possible value of x?

A. $x^3 = 216$
B. $x^2 = 18$
C. $x^3 = 36$
D. $x^2 = 216$

2) Which equation has only 9 as a possible value of x?

A. $x^2 = 81$
B. $x^2 = 729$
C. $x^3 = 729$
D. $x^3 = 27$

1. _____ **A**

2. _____ **C**

3. _____ **A**

4. _____ **C**

3) Which equation has only 5 as a possible value of x?

A. $x^3 = 125$
B. $x^3 = 15$
C. $x^2 = 125$
D. $x^2 = 25$

4) Which equation has both 4 and -4 as a possible value of x?

A. $x^3 = 16$
B. $x^2 = 8$
C. $x^2 = 16$
D. $x^3 = 8$

5. _____ **D**

6. _____ **D**

7. _____ **B**

8. _____ **D**

5) Which equation has only 10 as a possible value of x?

A. $x^2 = 1000$
B. $x^3 = 30$
C. $x^2 = 30$
D. $x^3 = 1000$

6) Which equation has both 7 and -7 as a possible value of x?

A. $x^3 = 14$
B. $x^3 = 343$
C. $x^2 = 343$
D. $x^2 = 49$

9. _____ **A**

10. _____ **D**

7) Which equation has both 10 and -10 as a possible value of x?

A. $x^3 = 100$
B. $x^2 = 100$
C. $x^2 = 1000$
D. $x^2 = 20$

8) Which equation has both 6 and -6 as a possible value of x?

A. $x^3 = 12$
B. $x^3 = 36$
C. $x^2 = 12$
D. $x^2 = 36$

9) Which equation has only 8 as a possible value of x?

A. $x^3 = 512$
B. $x^2 = 512$
C. $x^2 = 24$
D. $x^2 = 64$

10) Which equation has both 9 and -9 as a possible value of x?

A. $x^2 = 18$
B. $x^3 = 729$
C. $x^3 = 18$
D. $x^2 = 81$

1-10	90	80	70	60	50	40	30	20	10	0

Name:

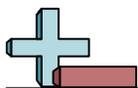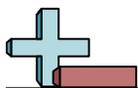**Solve each problem.**

1) Which equation has only 5 as a possible value of x?

A. $x^3 = 125$

B. $x^2 = 15$

C. $x^2 = 25$

D. $x^3 = 15$

2) Which equation has both 6 and -6 as a possible value of x?

A. $x^2 = 216$

B. $x^2 = 36$

C. $x^2 = 12$

D. $x^3 = 36$

1. _____

2. _____

3. _____

4. _____

3) Which equation has both 5 and -5 as a possible value of x?

A. $x^3 = 125$

B. $x^2 = 125$

C. $x^2 = 10$

D. $x^2 = 25$

4) Which equation has only 10 as a possible value of x?

A. $x^2 = 100$

B. $x^2 = 1000$

C. $x^3 = 30$

D. $x^3 = 1000$

5. _____

6. _____

7. _____

8. _____

5) Which equation has both 10 and -10 as a possible value of x?

A. $x^2 = 20$

B. $x^2 = 100$

C. $x^3 = 1000$

D. $x^3 = 20$

6) Which equation has both 4 and -4 as a possible value of x?

A. $x^2 = 16$

B. $x^3 = 8$

C. $x^2 = 8$

D. $x^3 = 64$

9. _____

10. _____

7) Which equation has only 4 as a possible value of x?

A. $x^3 = 64$

B. $x^3 = 12$

C. $x^2 = 64$

D. $x^3 = 16$

8) Which equation has only 7 as a possible value of x?

A. $x^2 = 49$

B. $x^3 = 343$

C. $x^3 = 49$

D. $x^2 = 343$

9) Which equation has only 8 as a possible value of x?

A. $x^3 = 24$

B. $x^2 = 512$

C. $x^3 = 512$

D. $x^2 = 64$

10) Which equation has both 9 and -9 as a possible value of x?

A. $x^2 = 81$

B. $x^3 = 18$

C. $x^2 = 729$

D. $x^3 = 729$

Name:

Solve each problem.

Answers

1) Which equation has only 5 as a possible value of x?

A. $x^3 = 125$
B. $x^2 = 15$
C. $x^2 = 25$
D. $x^3 = 15$

2) Which equation has both 6 and -6 as a possible value of x?

A. $x^2 = 216$
B. $x^2 = 36$
C. $x^2 = 12$
D. $x^3 = 36$

3) Which equation has both 5 and -5 as a possible value of x?

A. $x^3 = 125$
B. $x^2 = 125$
C. $x^2 = 10$
D. $x^2 = 25$

4) Which equation has only 10 as a possible value of x?

A. $x^2 = 100$
B. $x^2 = 1000$
C. $x^3 = 30$
D. $x^3 = 1000$

5) Which equation has both 10 and -10 as a possible value of x?

A. $x^2 = 20$
B. $x^2 = 100$
C. $x^3 = 1000$
D. $x^3 = 20$

6) Which equation has both 4 and -4 as a possible value of x?

A. $x^2 = 16$
B. $x^3 = 8$
C. $x^2 = 8$
D. $x^3 = 64$

7) Which equation has only 4 as a possible value of x?

A. $x^3 = 64$
B. $x^3 = 12$
C. $x^2 = 64$
D. $x^3 = 16$

8) Which equation has only 7 as a possible value of x?

A. $x^2 = 49$
B. $x^3 = 343$
C. $x^3 = 49$
D. $x^2 = 343$

9) Which equation has only 8 as a possible value of x?

A. $x^3 = 24$
B. $x^2 = 512$
C. $x^3 = 512$
D. $x^2 = 64$

10) Which equation has both 9 and -9 as a possible value of x?

A. $x^2 = 81$
B. $x^3 = 18$
C. $x^2 = 729$
D. $x^3 = 729$

1. **A**
2. **B**
3. **D**
4. **D**
5. **B**
6. **A**
7. **A**
8. **B**
9. **C**
10. **A**

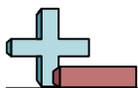| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |

Solve each problem.

1) Which equation has both 5 and -5 as a possible value of x?

A. $x^2 = 125$
B. $x^3 = 125$
C. $x^2 = 25$
D. $x^3 = 10$

2) Which equation has both 6 and -6 as a possible value of x?

A. $x^3 = 36$
B. $x^2 = 36$
C. $x^2 = 216$
D. $x^3 = 216$

1. _____

2. _____

3. _____

4. _____

3) Which equation has only 8 as a possible value of x?

A. $x^3 = 24$
B. $x^3 = 64$
C. $x^3 = 512$
D. $x^2 = 512$

4) Which equation has only 4 as a possible value of x?

A. $x^2 = 64$
B. $x^3 = 64$
C. $x^2 = 12$
D. $x^3 = 16$

5. _____

6. _____

7. _____

8. _____

5) Which equation has both 4 and -4 as a possible value of x?

A. $x^2 = 8$
B. $x^3 = 16$
C. $x^2 = 16$
D. $x^2 = 64$

6) Which equation has only 5 as a possible value of x?

A. $x^3 = 15$
B. $x^2 = 25$
C. $x^3 = 125$
D. $x^3 = 25$

9. _____

10. _____

7) Which equation has only 7 as a possible value of x?

A. $x^2 = 49$
B. $x^2 = 343$
C. $x^3 = 49$
D. $x^3 = 343$

8) Which equation has both 7 and -7 as a possible value of x?

A. $x^3 = 343$
B. $x^3 = 49$
C. $x^3 = 14$
D. $x^2 = 49$

9) Which equation has both 10 and -10 as a possible value of x?

A. $x^3 = 20$
B. $x^2 = 100$
C. $x^2 = 20$
D. $x^3 = 1000$

10) Which equation has only 9 as a possible value of x?

A. $x^2 = 27$
B. $x^3 = 729$
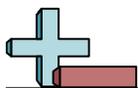C. $x^2 = 729$
D. $x^3 = 27$

Name:

Solve each problem.

1) Which equation has both 5 and -5 as a possible value of x?

A. $x^2 = 125$
B. $x^3 = 125$
C. $x^2 = 25$
D. $x^3 = 10$

2) Which equation has both 6 and -6 as a possible value of x?

A. $x^3 = 36$
B. $x^2 = 36$
C. $x^2 = 216$
D. $x^3 = 216$

1. **C**

2. **B**

3. **C**

4. **B**

3) Which equation has only 8 as a possible value of x?

A. $x^3 = 24$
B. $x^3 = 64$
C. $x^3 = 512$
D. $x^2 = 512$

4) Which equation has only 4 as a possible value of x?

A. $x^2 = 64$
B. $x^3 = 64$
C. $x^2 = 12$
D. $x^3 = 16$

5. **C**

6. **C**

7. **D**

8. **D**

5) Which equation has both 4 and -4 as a possible value of x?

A. $x^2 = 8$
B. $x^3 = 16$
C. $x^2 = 16$
D. $x^2 = 64$

6) Which equation has only 5 as a possible value of x?

A. $x^3 = 15$
B. $x^2 = 25$
C. $x^3 = 125$
D. $x^3 = 25$

9. **B**

10. **B**

7) Which equation has only 7 as a possible value of x?

A. $x^2 = 49$
B. $x^2 = 343$
C. $x^3 = 49$
D. $x^3 = 343$

8) Which equation has both 7 and -7 as a possible value of x?

A. $x^3 = 343$
B. $x^3 = 49$
C. $x^3 = 14$
D. $x^2 = 49$

9) Which equation has both 10 and -10 as a possible value of x?

A. $x^3 = 20$
B. $x^2 = 100$
C. $x^2 = 20$
D. $x^3 = 1000$

10) Which equation has only 9 as a possible value of x?

A. $x^2 = 27$
B. $x^3 = 729$
C. $x^2 = 729$
D. $x^3 = 27$

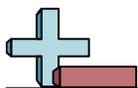| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |

Solve each problem.

1) Which equation has only 10 as a possible value of x?

    A. $x^3 = 100$
    B. $x^3 = 30$
    C. $x^2 = 1000$
    D. $x^3 = 1000$

2) Which equation has only 6 as a possible value of x?

    A. $x^3 = 18$
    B. $x^2 = 216$
    C. $x^2 = 18$
    D. $x^3 = 216$

1. _____

2. _____

3. _____

4. _____

3) Which equation has both 8 and -8 as a possible value of x?

    A. $x^3 = 64$
    B. $x^2 = 512$
    C. $x^3 = 512$
    D. $x^2 = 64$

4) Which equation has both 10 and -10 as a possible value of x?

    A. $x^3 = 20$
    B. $x^2 = 100$
    C. $x^2 = 20$
    D. $x^3 = 100$

5. _____

6. _____

7. _____

8. _____

5) Which equation has both 7 and -7 as a possible value of x?

    A. $x^2 = 49$
    B. $x^3 = 343$
    C. $x^2 = 14$
    D. $x^2 = 343$

6) Which equation has only 4 as a possible value of x?

    A. $x^3 = 12$
    B. $x^3 = 64$
    C. $x^3 = 16$
    D. $x^2 = 12$

9. _____

10. _____

7) Which equation has only 7 as a possible value of x?

    A. $x^2 = 21$
    B. $x^2 = 49$
    C. $x^3 = 21$
    D. $x^3 = 343$

8) Which equation has both 5 and -5 as a possible value of x?

    A. $x^2 = 25$
    B. $x^3 = 25$
    C. $x^2 = 10$
    D. $x^3 = 125$

9) Which equation has only 5 as a possible value of x?

    A. $x^2 = 125$
    B. $x^2 = 25$
    C. $x^3 = 125$
    D. $x^2 = 15$

10) Which equation has only 8 as a possible value of x?

    A. $x^2 = 512$
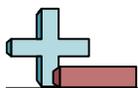   B. $x^2 = 24$
    C. $x^3 = 512$
    D. $x^3 = 64$

Name:

Solve each problem.

1) Which equation has only 10 as a possible value of x?

A. $x^3 = 100$
B. $x^3 = 30$
C. $x^2 = 1000$
D. $x^3 = 1000$

2) Which equation has only 6 as a possible value of x?

A. $x^3 = 18$
B. $x^2 = 216$
C. $x^2 = 18$
D. $x^3 = 216$

1. _____ **D**

2. _____ **D**

3. _____ **D**

4. _____ **B**

3) Which equation has both 8 and -8 as a possible value of x?

A. $x^3 = 64$
B. $x^2 = 512$
C. $x^3 = 512$
D. $x^2 = 64$

4) Which equation has both 10 and -10 as a possible value of x?

A. $x^3 = 20$
B. $x^2 = 100$
C. $x^2 = 20$
D. $x^3 = 100$

5. _____ **A**

6. _____ **B**

7. _____ **D**

8. _____ **A**

5) Which equation has both 7 and -7 as a possible value of x?

A. $x^2 = 49$
B. $x^3 = 343$
C. $x^2 = 14$
D. $x^2 = 343$

6) Which equation has only 4 as a possible value of x?

A. $x^3 = 12$
B. $x^3 = 64$
C. $x^3 = 16$
D. $x^2 = 12$

9. _____ **C**

10. _____ **C**

7) Which equation has only 7 as a possible value of x?

A. $x^2 = 21$
B. $x^2 = 49$
C. $x^3 = 21$
D. $x^3 = 343$

8) Which equation has both 5 and -5 as a possible value of x?

A. $x^2 = 25$
B. $x^3 = 25$
C. $x^2 = 10$
D. $x^3 = 125$

9) Which equation has only 5 as a possible value of x?

A. $x^2 = 125$
B. $x^2 = 25$
C. $x^3 = 125$
D. $x^2 = 15$

10) Which equation has only 8 as a possible value of x?

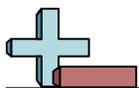A. $x^2 = 512$
B. $x^2 = 24$
C. $x^3 = 512$
D. $x^3 = 64$

Solve each problem.

1) Which equation has both 10 and -10 as a possible value of x?

A. $x^2 = 20$

B. $x^3 = 1000$

C. $x^3 = 20$

D. $x^2 = 100$

2) Which equation has only 4 as a possible value of x?

A. $x^3 = 12$

B. $x^3 = 64$

C. $x^2 = 16$

D. $x^2 = 64$

3) Which equation has only 7 as a possible value of x?

A. $x^2 = 49$

B. $x^3 = 21$

C. $x^3 = 343$

D. $x^3 = 49$

4) Which equation has both 8 and -8 as a possible value of x?

A. $x^3 = 64$

B. $x^2 = 64$

C. $x^3 = 512$

D. $x^2 = 512$

5) Which equation has both 6 and -6 as a possible value of x?

A. $x^2 = 36$

B. $x^3 = 216$

C. $x^2 = 216$

D. $x^3 = 12$

6) Which equation has both 7 and -7 as a possible value of x?

A. $x^2 = 14$

B. $x^2 = 343$

C. $x^3 = 49$

D. $x^2 = 49$

7) Which equation has both 5 and -5 as a possible value of x?

A. $x^2 = 10$

B. $x^2 = 125$

C. $x^2 = 25$

D. $x^3 = 25$

8) Which equation has only 9 as a possible value of x?

A. $x^2 = 27$

B. $x^3 = 729$

C. $x^2 = 81$

D. $x^2 = 729$

9) Which equation has only 8 as a possible value of x?

A. $x^3 = 24$

B. $x^3 = 512$

C. $x^3 = 64$

D. $x^2 = 64$

10) Which equation has only 10 as a possible value of x?

A. $x^2 = 30$

B. $x^3 = 30$

C. $x^3 = 1000$

D. $x^2 = 1000$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

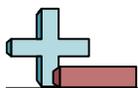7. _____

8. _____

9. _____

10. _____

Name:

Solve each problem.

1) Which equation has both 10 and -10 as a possible value of x?

A. $x^2 = 20$
B. $x^3 = 1000$
C. $x^3 = 20$
D. $x^2 = 100$

2) Which equation has only 4 as a possible value of x?

A. $x^3 = 12$
B. $x^3 = 64$
C. $x^2 = 16$
D. $x^2 = 64$

1. _____ **D**

2. _____ **B**

3. _____ **C**

4. _____ **B**

3) Which equation has only 7 as a possible value of x?

A. $x^2 = 49$
B. $x^3 = 21$
C. $x^3 = 343$
D. $x^3 = 49$

4) Which equation has both 8 and -8 as a possible value of x?

A. $x^3 = 64$
B. $x^2 = 64$
C. $x^3 = 512$
D. $x^2 = 512$

5. _____ **A**

6. _____ **D**

7. _____ **C**

8. _____ **B**

5) Which equation has both 6 and -6 as a possible value of x?

A. $x^2 = 36$
B. $x^3 = 216$
C. $x^2 = 216$
D. $x^3 = 12$

6) Which equation has both 7 and -7 as a possible value of x?

A. $x^2 = 14$
B. $x^2 = 343$
C. $x^3 = 49$
D. $x^2 = 49$

9. _____ **B**

10. _____ **C**

7) Which equation has both 5 and -5 as a possible value of x?

A. $x^2 = 10$
B. $x^2 = 125$
C. $x^2 = 25$
D. $x^3 = 25$

8) Which equation has only 9 as a possible value of x?

A. $x^2 = 27$
B. $x^3 = 729$
C. $x^2 = 81$
D. $x^2 = 729$

9) Which equation has only 8 as a possible value of x?

A. $x^3 = 24$
B. $x^3 = 512$
C. $x^3 = 64$
D. $x^2 = 64$

10) Which equation has only 10 as a possible value of x?

A. $x^2 = 30$
B. $x^3 = 30$
C. $x^3 = 1000$
D. $x^2 = 1000$

| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |

Name: _____

Solve each problem.

1) Which equation has both 9 and -9 as a possible value of x?

A. $x^2 = 729$
B. $x^3 = 81$
C. $x^2 = 81$
D. $x^3 = 18$

2) Which equation has both 6 and -6 as a possible value of x?

A. $x^3 = 12$
B. $x^2 = 216$
C. $x^3 = 216$
D. $x^2 = 36$

3) Which equation has both 8 and -8 as a possible value of x?

A. $x^2 = 64$
B. $x^3 = 64$
C. $x^2 = 16$
D. $x^3 = 512$

4) Which equation has only 7 as a possible value of x?

A. $x^3 = 49$
B. $x^3 = 343$
C. $x^2 = 343$
D. $x^2 = 21$

5) Which equation has only 6 as a possible value of x?

A. $x^2 = 36$
B. $x^3 = 216$
C. $x^2 = 216$
D. $x^2 = 18$

6) Which equation has only 10 as a possible value of x?

A. $x^3 = 1000$
B. $x^2 = 30$
C. $x^2 = 1000$
D. $x^3 = 100$

7) Which equation has only 4 as a possible value of x?

A. $x^3 = 12$
B. $x^2 = 64$
C. $x^2 = 12$
D. $x^3 = 64$

8) Which equation has only 8 as a possible value of x?
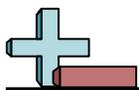
A. $x^3 = 512$
B. $x^2 = 64$
C. $x^3 = 24$
D. $x^2 = 24$

9) Which equation has only 9 as a possible value of x?

A. $x^3 = 729$
B. $x^2 = 729$
C. $x^2 = 27$
D. $x^3 = 27$

10) Which equation has both 5 and -5 as a possible value of x?

A. $x^2 = 125$
B. $x^3 = 125$
C. $x^2 = 25$
D. $x^3 = 25$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Name:

Solve each problem.

Answers

1) Which equation has both 9 and -9 as a possible value of x?

  A. $x^2 = 729$
  B. $x^3 = 81$
  C. $x^2 = 81$
  D. $x^3 = 18$

2) Which equation has both 6 and -6 as a possible value of x?

  A. $x^3 = 12$
  B. $x^2 = 216$
  C. $x^3 = 216$
  D. $x^2 = 36$

3) Which equation has both 8 and -8 as a possible value of x?

  A. $x^2 = 64$
  B. $x^3 = 64$
  C. $x^2 = 16$
  D. $x^3 = 512$

4) Which equation has only 7 as a possible value of x?

  A. $x^3 = 49$
  B. $x^3 = 343$
  C. $x^2 = 343$
  D. $x^2 = 21$

5) Which equation has only 6 as a possible value of x?

  A. $x^2 = 36$
  B. $x^3 = 216$
  C. $x^2 = 216$
  D. $x^2 = 18$

6) Which equation has only 10 as a possible value of x?

  A. $x^3 = 1000$
  B. $x^2 = 30$
  C. $x^2 = 1000$
  D. $x^3 = 100$

7) Which equation has only 4 as a possible value of x?

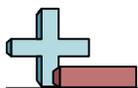 A. $x^3 = 12$
  B. $x^2 = 64$
  C. $x^2 = 12$
  D. $x^3 = 64$

8) Which equation has only 8 as a possible value of x?

  A. $x^3 = 512$
  B. $x^2 = 64$
  C. $x^3 = 24$
  D. $x^2 = 24$

9) Which equation has only 9 as a possible value of x?

  A. $x^3 = 729$
  B. $x^2 = 729$
  C. $x^2 = 27$
  D. $x^3 = 27$

10) Which equation has both 5 and -5 as a possible value of x?

  A. $x^2 = 125$
  B. $x^3 = 125$
  C. $x^2 = 25$
  D. $x^3 = 25$

1. **C**
2. **D**
3. **A**
4. **B**
5. **B**
6. **A**
7. **D**
8. **A**
9. **A**
10. **C**

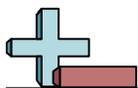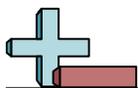| 1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 |

Solve each problem.

1) Which equation has both 10 and -10 as a possible value of x?

A. $x^3 = 100$
B. $x^2 = 100$
C. $x^2 = 20$
D. $x^3 = 1000$

2) Which equation has both 5 and -5 as a possible value of x?

A. $x^3 = 25$
B. $x^2 = 25$
C. $x^2 = 125$
D. $x^3 = 10$

1. _____

2. _____

3. _____

4. _____

3) Which equation has only 6 as a possible value of x?

A. $x^3 = 18$
B. $x^2 = 216$
C. $x^3 = 216$
D. $x^3 = 36$

4) Which equation has only 4 as a possible value of x?

A. $x^3 = 12$
B. $x^3 = 16$
C. $x^2 = 64$
D. $x^3 = 64$

5. _____

6. _____

7. _____

8. _____

5) Which equation has both 7 and -7 as a possible value of x?

A. $x^2 = 14$
B. $x^3 = 49$
C. $x^2 = 49$
D. $x^3 = 14$

6) Which equation has only 9 as a possible value of x?

A. $x^3 = 27$
B. $x^3 = 729$
C. $x^2 = 81$
D. $x^2 = 27$

9. _____

10. _____

7) Which equation has both 8 and -8 as a possible value of x?

A. $x^2 = 64$
B. $x^3 = 16$
C. $x^3 = 64$
D. $x^3 = 512$

8) Which equation has both 9 and -9 as a possible value of x?

A. $x^2 = 81$
B. $x^3 = 81$
C. $x^2 = 18$
D. $x^3 = 729$

9) Which equation has only 5 as a possible value of x?

A. $x^2 = 125$
B. $x^3 = 15$
C. $x^3 = 125$
D. $x^2 = 15$

10) Which equation has only 10 as a possible value of x?

A. $x^3 = 30$
B. $x^3 = 1000$
C. $x^3 = 100$
D. $x^2 = 1000$

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Name:

Solve each problem.

Answers

1) Which equation has both 10 and -10 as a possible value of x?

A. $x^3 = 100$
B. $x^2 = 100$
C. $x^2 = 20$
D. $x^3 = 1000$

2) Which equation has both 5 and -5 as a possible value of x?

A. $x^3 = 25$
B. $x^2 = 25$
C. $x^2 = 125$
D. $x^3 = 10$

1. _____ **B**

2. _____ **B**

3. _____ **C**

4. _____ **D**

3) Which equation has only 6 as a possible value of x?

A. $x^3 = 18$
B. $x^2 = 216$
C. $x^3 = 216$
D. $x^3 = 36$

4) Which equation has only 4 as a possible value of x?

A. $x^3 = 12$
B. $x^3 = 16$
C. $x^2 = 64$
D. $x^3 = 64$

5. _____ **C**

6. _____ **B**

7. _____ **A**

8. _____ **A**

5) Which equation has both 7 and -7 as a possible value of x?

A. $x^2 = 14$
B. $x^3 = 49$
C. $x^2 = 49$
D. $x^3 = 14$

6) Which equation has only 9 as a possible value of x?

A. $x^3 = 27$
B. $x^3 = 729$
C. $x^2 = 81$
D. $x^2 = 27$

9. _____ **C**

10. _____ **B**

7) Which equation has both 8 and -8 as a possible value of x?

A. $x^2 = 64$
B. $x^3 = 16$
C. $x^3 = 64$
D. $x^3 = 512$

8) Which equation has both 9 and -9 as a possible value of x?

A. $x^2 = 81$
B. $x^3 = 81$
C. $x^2 = 18$
D. $x^3 = 729$

9) Which equation has only 5 as a possible value of x?

A. $x^2 = 125$
B. $x^3 = 15$
C. $x^3 = 125$
D. $x^2 = 15$

10) Which equation has only 10 as a possible value of x?

A. $x^3 = 30$
B. $x^3 = 1000$
C. $x^3 = 100$
D. $x^2 = 1000$

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0
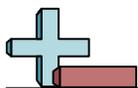
Examining Powers and Bases   Name:

Solve each problem.

1) Which equation has both 4 and -4 as a possible value of x?

A. $x^3 = 16$
B. $x^2 = 64$
C. $x^2 = 8$
D. $x^2 = 16$

2) Which equation has only 4 as a possible value of x?

A. $x^2 = 64$
B. $x^2 = 12$
C. $x^3 = 16$
D. $x^3 = 64$

1. _____

2. _____

3. _____

4. _____

3) Which equation has only 5 as a possible value of x?

A. $x^2 = 125$
B. $x^3 = 25$
C. $x^3 = 125$
D. $x^3 = 15$

4) Which equation has only 7 as a possible value of x?

A. $x^3 = 49$
B. $x^2 = 21$
C. $x^3 = 21$
D. $x^3 = 343$

5. _____

6. _____

7. _____

8. _____

5) Which equation has only 10 as a possible value of x?

A. $x^2 = 1000$
B. $x^3 = 1000$
C. $x^2 = 30$
D. $x^3 = 30$

6) Which equation has only 9 as a possible value of x?

A. $x^2 = 729$
B. $x^3 = 729$
C. $x^3 = 27$
D. $x^2 = 81$

9. _____

10. _____

7) Which equation has both 6 and -6 as a possible value of x?

A. $x^3 = 216$
B. $x^2 = 12$
C. $x^2 = 36$
D. $x^2 = 216$

8) Which equation has only 6 as a possible value of x?

A. $x^3 = 36$
B. $x^3 = 216$
C. $x^2 = 216$
D. $x^3 = 18$

9) Which equation has both 9 and -9 as a possible value of x?

A. $x^2 = 81$
B. $x^2 = 729$
C. $x^2 = 18$
D. $x^3 = 18$

10) Which equation has both 7 and -7 as a possible value of x?

A. $x^2 = 49$
B. $x^3 = 343$
C. $x^3 = 49$
D. $x^3 = 14$

Name:

Solve each problem.

1) Which equation has both 4 and -4 as a possible value of x?

A. $x^3 = 16$

B. $x^2 = 64$

C. $x^2 = 8$

D. $x^2 = 16$

2) Which equation has only 4 as a possible value of x?

A. $x^2 = 64$

B. $x^2 = 12$

C. $x^3 = 16$

D. $x^3 = 64$

1. **D**

2. **D**

3. **C**

4. **D**

3) Which equation has only 5 as a possible value of x?

A. $x^2 = 125$

B. $x^3 = 25$

C. $x^3 = 125$

D. $x^3 = 15$

4) Which equation has only 7 as a possible value of x?

A. $x^3 = 49$

B. $x^2 = 21$

C. $x^3 = 21$

D. $x^3 = 343$

5. **B**

6. **B**

7. **C**

8. **B**

5) Which equation has only 10 as a possible value of x?

A. $x^2 = 1000$

B. $x^3 = 1000$

C. $x^2 = 30$

D. $x^3 = 30$

6) Which equation has only 9 as a possible value of x?

A. $x^2 = 729$

B. $x^3 = 729$

C. $x^3 = 27$

D. $x^2 = 81$

9. **A**

10. **A**

7) Which equation has both 6 and -6 as a possible value of x?

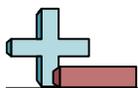A. $x^3 = 216$

B. $x^2 = 12$

C. $x^2 = 36$

D. $x^2 = 216$

8) Which equation has only 6 as a possible value of x?

A. $x^3 = 36$

B. $x^3 = 216$

C. $x^2 = 216$

D. $x^3 = 18$

9) Which equation has both 9 and -9 as a possible value of x?

A. $x^2 = 81$

B. $x^2 = 729$

C. $x^2 = 18$

D. $x^3 = 18$

10) Which equation has both 7 and -7 as a possible value of x?

A. $x^2 = 49$
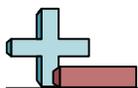
B. $x^3 = 343$

C. $x^3 = 49$

D. $x^3 = 14$

Solve each problem.

1) Which equation has only 5 as a possible value of x?

A. $x^2 = 125$

B. $x^2 = 25$

C. $x^3 = 25$

D. $x^3 = 125$

2) Which equation has only 6 as a possible value of x?

A. $x^3 = 216$

B. $x^2 = 18$

C. $x^2 = 36$

D. $x^3 = 36$

3) Which equation has both 6 and -6 as a possible value of x?

A. $x^2 = 36$

B. $x^3 = 216$

C. $x^2 = 216$

D. $x^3 = 12$

4) Which equation has both 10 and -10 as a possible value of x?

A. $x^3 = 100$

B. $x^3 = 20$

C. $x^2 = 100$

D. $x^2 = 20$

5) Which equation has only 4 as a possible value of x?

A. $x^2 = 16$

B. $x^3 = 12$

C. $x^3 = 64$

D. $x^3 = 16$

6) Which equation has both 5 and -5 as a possible value of x?

A. $x^2 = 10$

B. $x^2 = 25$

C. $x^3 = 10$

D. $x^3 = 125$

7) Which equation has both 7 and -7 as a possible value of x?

A. $x^3 = 14$

B. $x^3 = 49$

C. $x^3 = 343$

D. $x^2 = 49$

8) Which equation has only 9 as a possible value of x?

A. $x^2 = 27$

B. $x^3 = 729$

C. $x^2 = 81$

D. $x^3 = 27$

9) Which equation has only 7 as a possible value of x?

A. $x^3 = 49$

B. $x^3 = 21$

C. $x^2 = 21$

D. $x^3 = 343$

10) Which equation has only 10 as a possible value of x?

A. $x^3 = 30$

B. $x^2 = 30$

C. $x^2 = 100$

D. $x^3 = 1000$

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

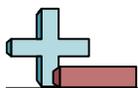7. _____

8. _____

9. _____

10. _____

Solve each problem.

1) Which equation has only 5 as a possible value of x?

A. $x^2 = 125$
B. $x^2 = 25$
C. $x^3 = 25$
D. $x^3 = 125$

2) Which equation has only 6 as a possible value of x?

A. $x^3 = 216$
B. $x^2 = 18$
C. $x^2 = 36$
D. $x^3 = 36$

1. **D**

2. **A**

3. **A**

4. **C**

5. **C**

6. **B**

7. **D**

8. **B**

9. **D**

10. **D**

3) Which equation has both 6 and -6 as a possible value of x?

A. $x^2 = 36$
B. $x^3 = 216$
C. $x^2 = 216$
D. $x^3 = 12$

4) Which equation has both 10 and -10 as a possible value of x?

A. $x^3 = 100$
B. $x^3 = 20$
C. $x^2 = 100$
D. $x^2 = 20$

5) Which equation has only 4 as a possible value of x?

A. $x^2 = 16$
B. $x^3 = 12$
C. $x^3 = 64$
D. $x^3 = 16$

6) Which equation has both 5 and -5 as a possible value of x?

A. $x^2 = 10$
B. $x^2 = 25$
C. $x^3 = 10$
D. $x^3 = 125$

7) Which equation has both 7 and -7 as a possible value of x?

A. $x^3 = 14$
B. $x^3 = 49$
C. $x^3 = 343$
D. $x^2 = 49$

8) Which equation has only 9 as a possible value of x?

A. $x^2 = 27$
B. $x^3 = 729$
C. $x^2 = 81$
D. $x^3 = 27$

9) Which equation has only 7 as a possible value of x?

A. $x^3 = 49$
B. $x^3 = 21$
C. $x^2 = 21$
D. $x^3 = 343$

10) Which equation has only 10 as a possible value of x?

A. $x^3 = 30$
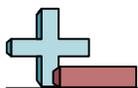B. $x^2 = 30$
C. $x^2 = 100$
D. $x^3 = 1000$

Name: _____

Solve each problem.

1) Which equation has only 9 as a possible value of x?

A. $x^2 = 729$

B. $x^2 = 81$

C. $x^2 = 27$

D. $x^3 = 729$

2) Which equation has only 6 as a possible value of x?

A. $x^3 = 18$

B. $x^2 = 36$

C. $x^2 = 18$

D. $x^3 = 216$

1. _____

2. _____

3. _____

4. _____

3) Which equation has only 5 as a possible value of x?

A. $x^3 = 125$

B. $x^2 = 15$

C. $x^3 = 15$

D. $x^2 = 125$

4) Which equation has only 10 as a possible value of x?

A. $x^3 = 100$

B. $x^2 = 100$

C. $x^3 = 1000$

D. $x^2 = 1000$

5. _____

6. _____

7. _____

8. _____

5) Which equation has only 4 as a possible value of x?

A. $x^2 = 12$

B. $x^3 = 12$

C. $x^2 = 64$

D. $x^3 = 64$

6) Which equation has both 7 and -7 as a possible value of x?

A. $x^3 = 343$

B. $x^2 = 343$

C. $x^3 = 49$

D. $x^2 = 49$

9. _____

10. _____

7) Which equation has only 8 as a possible value of x?

A. $x^2 = 24$

B. $x^3 = 512$

C. $x^3 = 24$

D. $x^2 = 512$

8) Which equation has both 5 and -5 as a possible value of x?

A. $x^3 = 25$

B. $x^2 = 125$

C. $x^2 = 25$

D. $x^2 = 10$

9) Which equation has only 7 as a possible value of x?

A. $x^2 = 343$

B. $x^2 = 49$

C. $x^3 = 343$

D. $x^3 = 49$

10) Which equation has both 4 and -4 as a possible value of x?

A. $x^3 = 8$

B. $x^2 = 8$

C. $x^2 = 16$

D. $x^3 = 64$

1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0

Examining Powers and Bases   Name:

Solve each problem.

1) Which equation has only 9 as a possible value of x?

A. $x^2 = 729$
B. $x^2 = 81$
C. $x^2 = 27$
D. $x^3 = 729$

2) Which equation has only 6 as a possible value of x?

A. $x^3 = 18$
B. $x^2 = 36$
C. $x^2 = 18$
D. $x^3 = 216$

1. **D**

2. **D**

3. **A**

3) Which equation has only 5 as a possible value of x?

A. $x^3 = 125$
B. $x^2 = 15$
C. $x^3 = 15$
D. $x^2 = 125$

4) Which equation has only 10 as a possible value of x?

A. $x^3 = 100$
B. $x^2 = 100$
C. $x^3 = 1000$
D. $x^2 = 1000$

4. **C**

5. **D**

6. **D**

5) Which equation has only 4 as a possible value of x?

A. $x^2 = 12$
B. $x^3 = 12$
C. $x^2 = 64$
D. $x^3 = 64$

6) Which equation has both 7 and -7 as a possible value of x?

A. $x^3 = 343$
B. $x^2 = 343$
C. $x^3 = 49$
D. $x^2 = 49$

7. **B**

8. **C**

9. **C**

7) Which equation has only 8 as a possible value of x?

A. $x^2 = 24$
B. $x^3 = 512$
C. $x^3 = 24$
D. $x^2 = 512$

8) Which equation has both 5 and -5 as a possible value of x?

A. $x^3 = 25$
B. $x^2 = 125$
C. $x^2 = 25$
D. $x^2 = 10$

10. **C**

9) Which equation has only 7 as a possible value of x?

A. $x^2 = 343$
B. $x^2 = 49$
C. $x^3 = 343$
D. $x^3 = 49$

10) Which equation has both 4 and -4 as a possible value of x?

A. $x^3 = 8$
B. $x^2 = 8$
C. $x^2 = 16$
D. $x^3 = 64$