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. $x^3 = 216$

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) 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) 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. $x^3 = 64$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

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**

4. _____ **C**

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. _____ **D**

6. _____ **D**

7. _____ **B**

8. _____ **C**

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. _____ **C**

10. _____ **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. $x^2 = 10$

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 |