

**Solve each problem.****Answers**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_  
9. \_\_\_\_\_  
10. \_\_\_\_\_



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**Answers**

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