



Solve each problem.

**Answers**

- 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.  $x^3 = 27$
- 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) 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.  $x^2 = 49$
- 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. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_  
5. \_\_\_\_\_  
6. \_\_\_\_\_  
7. \_\_\_\_\_  
8. \_\_\_\_\_  
9. \_\_\_\_\_  
10. \_\_\_\_\_



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.  $x^3 = 27$
- 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) 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.  $x^2 = 49$
- 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.  $x^2 = 81$

**Answers**

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