



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



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.  $x^3 = 25$

**Answers**

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