



Solve each problem.

**Answers**

- 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. \_\_\_\_\_



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.  $x^2 = 1000$

**Answers**

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