



Solve each problem.

**Answers**

- 1) Which equation has only 10 as a possible value of  $x$ ?  
A.  $x^3 = 100$   
B.  $x^3 = 30$   
C.  $x^2 = 1000$   
D.  $x^3 = 1000$
- 2) Which equation has only 6 as a possible value of  $x$ ?  
A.  $x^3 = 18$   
B.  $x^2 = 216$   
C.  $x^2 = 18$   
D.  $x^3 = 216$
- 3) Which equation has both 8 and -8 as a possible value of  $x$ ?  
A.  $x^3 = 64$   
B.  $x^2 = 512$   
C.  $x^3 = 512$   
D.  $x^2 = 64$
- 4) Which equation has both 10 and -10 as a possible value of  $x$ ?  
A.  $x^3 = 20$   
B.  $x^2 = 100$   
C.  $x^2 = 20$   
D.  $x^3 = 100$
- 5) Which equation has both 7 and -7 as a possible value of  $x$ ?  
A.  $x^2 = 49$   
B.  $x^3 = 343$   
C.  $x^2 = 14$   
D.  $x^2 = 343$
- 6) Which equation has only 4 as a possible value of  $x$ ?  
A.  $x^3 = 12$   
B.  $x^3 = 64$   
C.  $x^3 = 16$   
D.  $x^2 = 12$
- 7) Which equation has only 7 as a possible value of  $x$ ?  
A.  $x^2 = 21$   
B.  $x^2 = 49$   
C.  $x^3 = 21$   
D.  $x^3 = 343$
- 8) Which equation has both 5 and -5 as a possible value of  $x$ ?  
A.  $x^2 = 25$   
B.  $x^3 = 25$   
C.  $x^2 = 10$   
D.  $x^3 = 125$
- 9) Which equation has only 5 as a possible value of  $x$ ?  
A.  $x^2 = 125$   
B.  $x^2 = 25$   
C.  $x^3 = 125$   
D.  $x^2 = 15$
- 10) Which equation has only 8 as a possible value of  $x$ ?  
A.  $x^2 = 512$   
B.  $x^2 = 24$   
C.  $x^3 = 512$   
D.  $x^3 = 64$

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



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C.  $x^3 = 512$   
D.  $x^3 = 64$

**Answers**

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