



Solve each problem.

Answers

1) 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.  $x^3 = 10$

2) Which equation has both 6 and -6 as a possible value of  $x$ ?

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

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

- A.  $x^3 = 24$
- B.  $x^3 = 64$
- C.  $x^3 = 512$
- D.  $x^2 = 512$

4) Which equation has only 4 as a possible value of  $x$ ?

- A.  $x^2 = 64$
- B.  $x^3 = 64$
- C.  $x^2 = 12$
- D.  $x^3 = 16$

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

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

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

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

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

- A.  $x^2 = 49$
- B.  $x^2 = 343$
- C.  $x^3 = 49$
- D.  $x^3 = 343$

8) Which equation has both 7 and -7 as a possible value of  $x$ ?

- A.  $x^3 = 343$
- B.  $x^3 = 49$
- C.  $x^3 = 14$
- D.  $x^2 = 49$

9) 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.  $x^3 = 1000$

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

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

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



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**Answers**

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