



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.  $x^3 = 216$
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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. \_\_\_\_\_
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- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_



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