

**Solve each problem.****Answers**

- 1) Which equation has both 5 and -5 as a possible value of x?      2) Which equation has only 9 as a possible value of x?

A.  $x^3 = 25$

A.  $x^2 = 27$

B.  $x^3 = 10$

B.  $x^3 = 27$

C.  $x^2 = 10$

C.  $x^3 = 729$

D.  $x^2 = 25$

D.  $x^3 = 81$

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

- 4) Which equation has both 10 and -10 as a possible value of x?

A.  $x^3 = 16$

A.  $x^3 = 20$

B.  $x^2 = 64$

B.  $x^2 = 1000$

C.  $x^3 = 64$

C.  $x^2 = 20$

D.  $x^2 = 12$

D.  $x^2 = 100$

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

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

A.  $x^3 = 512$

A.  $x^2 = 25$

B.  $x^2 = 64$

B.  $x^2 = 125$

C.  $x^2 = 512$

C.  $x^3 = 125$

D.  $x^3 = 16$

D.  $x^2 = 15$

- 7) Which equation has only 8 as a possible value of x?

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

A.  $x^3 = 64$

A.  $x^3 = 36$

B.  $x^3 = 24$

B.  $x^3 = 216$

C.  $x^3 = 512$

C.  $x^2 = 216$

D.  $x^2 = 64$

D.  $x^2 = 36$

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

- 10) Which equation has both 9 and -9 as a possible value of x?

A.  $x^2 = 14$

A.  $x^3 = 18$

B.  $x^3 = 49$

B.  $x^2 = 729$

C.  $x^2 = 343$

C.  $x^2 = 81$

D.  $x^2 = 49$

D.  $x^2 = 18$

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_



Solve each problem.

**Answers**

- 1) Which equation has both 5 and -5 as a possible value of x?      2) Which equation has only 9 as a possible value of x?

A.  $x^3 = 25$

A.  $x^2 = 27$

B.  $x^3 = 10$

B.  $x^3 = 27$

C.  $x^2 = 10$

C.  $x^3 = 729$

D.  $x^2 = 25$

D.  $x^3 = 81$

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

- 4) Which equation has both 10 and -10 as a possible value of x?

A.  $x^3 = 16$

A.  $x^3 = 20$

B.  $x^2 = 64$

B.  $x^2 = 1000$

C.  $x^3 = 64$

C.  $x^2 = 20$

D.  $x^2 = 12$

D.  $x^2 = 100$

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

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

A.  $x^3 = 512$

A.  $x^2 = 25$

B.  $x^2 = 64$

B.  $x^2 = 125$

C.  $x^2 = 512$

C.  $x^3 = 125$

D.  $x^3 = 16$

D.  $x^2 = 15$

- 7) Which equation has only 8 as a possible value of x?

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

A.  $x^3 = 64$

A.  $x^3 = 36$

B.  $x^3 = 24$

B.  $x^3 = 216$

C.  $x^3 = 512$

C.  $x^2 = 216$

D.  $x^2 = 64$

D.  $x^2 = 36$

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

- 10) Which equation has both 9 and -9 as a possible value of x?

A.  $x^2 = 14$

A.  $x^3 = 18$

B.  $x^3 = 49$

B.  $x^2 = 729$

C.  $x^2 = 343$

C.  $x^2 = 81$

D.  $x^2 = 49$

D.  $x^2 = 18$

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