Name: _____

Solve each problem.

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. $x^2 = 36$

1. _____

2. _____

3. _____

4. _____

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. _____

6. _____

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

A. $x^2 = 36$
B. $x^3 = 216$
C. $x^2 = 216$
D. $x^2 = 18$

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. _____

8. _____

9. _____

10. _____

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 both 4 and -4 as a possible value of x?

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

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. $x^3 = 25$

Answer Key

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. $x^2 = 36$

1. ___**C**___

2. ___**D**___

3. ___**A**___

4. ___**B**___

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. ___**B**___

6. ___**A**___

7. ___**D**___

8. ___**A**___

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

A. $x^2 = 36$
B. $x^3 = 216$
C. $x^2 = 216$
D. $x^2 = 18$

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. $x^3 = 100$

9. ___**B**___

10. ___**C**___

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 both 4 and -4 as a possible value of x?

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

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. $x^3 = 25$

1-10	90	80	70	60	50	40	30	20	10	0