Solve each problem.

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

A. $x^2 = 27$
B. $x^2 = 729$
C. $x^3 = 729$
D. $x^3 = 81$

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

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

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

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

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

A. $x^3 = 1000$
B. $x^3 = 30$
C. $x^2 = 30$
D. $x^2 = 1000$

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

A. $x^2 = 20$
B. $x^3 = 100$
C. $x^2 = 100$
D. $x^3 = 20$

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

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

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

A. $x^3 = 49$
B. $x^3 = 21$
C. $x^2 = 343$
D. $x^3 = 343$

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

A. $x^2 = 81$
B. $x^3 = 81$
C. $x^3 = 729$
D. $x^3 = 18$

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

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

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

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

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

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

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

Answers

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

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