Solve each problem.

1) Which equation has only 5 as a possible value of x.

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

2) Which equation has only 6 as a possible value of x.

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

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

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

4) Which equation has only 9 as a possible value of x.

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

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

A. $x^3 = 36$
B. $x^2 = 216$
C. $x^2 = 36$
D. $x^3 = 12$

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

A. $x^3 = 125$
B. $x^2 = 10$
C. $x^2 = 25$
D. $x^3 = 10$

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

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

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

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

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

A. $x^3 = 100$
B. $x^3 = 1000$
C. $x^2 = 30$
D. $x^2 = 100$

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

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

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. $x^3 = 1000$
C. $x^2 = 30$
D. $x^2 = 100$

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

Answers

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

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