Name:

Solve each problem.

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

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

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

A. $x^2 = 1000$
B. $x^3 = 20$
C. $x^3 = 1000$
D. $x^2 = 100$

1. _____

2. _____

3. _____

4. _____

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

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

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

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

5. _____

6. _____

7. _____

8. _____

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

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

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

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

9. _____

10. _____

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

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

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

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

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

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

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

A. $x^3 = 16$
B. $x^3 = 12$
C. $x^2 = 12$
D. $x^3 = 64$

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

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1. _____ **A**

2. _____ **D**

3. _____ **D**

4. _____ **D**

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B. $x^3 = 27$
C. $x^2 = 27$
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D. $x^2 = 16$

5. _____ **B**

6. _____ **D**

7. _____ **C**

8. _____ **B**

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9. _____ **D**

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A. $x^3 = 16$
B. $x^3 = 12$
C. $x^2 = 12$
D. $x^3 = 64$

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