Name: _____

Solve each problem.

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

A. $x^3 = 49$

B. $x^3 = 343$

C. $x^2 = 14$

D. $x^2 = 49$

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

A. $x^2 = 64$

B. $x^2 = 16$

C. $x^3 = 12$

D. $x^3 = 64$

1. _____

2. _____

3. _____

4. _____

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

A. $x^3 = 64$

B. $x^3 = 16$

C. $x^2 = 64$

D. $x^2 = 16$

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

A. $x^3 = 49$

B. $x^2 = 49$

C. $x^3 = 21$

D. $x^3 = 343$

5. _____

6. _____

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

A. $x^3 = 216$

B. $x^3 = 36$

C. $x^2 = 216$

D. $x^2 = 36$

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

A. $x^2 = 100$

B. $x^2 = 1000$

C. $x^3 = 1000$

D. $x^2 = 30$

7. _____

8. _____

9. _____

10. _____

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

A. $x^3 = 729$

B. $x^2 = 81$

C. $x^2 = 729$

D. $x^2 = 27$

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

A. $x^2 = 64$

B. $x^3 = 16$

C. $x^2 = 16$

D. $x^3 = 64$

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

A. $x^2 = 125$

B. $x^3 = 15$

C. $x^2 = 15$

D. $x^3 = 125$

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

A. $x^2 = 81$

B. $x^2 = 729$

C. $x^3 = 729$

D. $x^3 = 18$

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

Name: **Answer Key**

Solve each problem.

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

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

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

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

1. **D**

2. **D**

3. **D**

4. **D**

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

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

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

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

5. **A**

6. **C**

7. **A**

8. **A**

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

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

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

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

9. **D**

10. **A**

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

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

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

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

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

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

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

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

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