2) Which equation has only 10 as a possible

## Solve each problem.

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

A. 
$$x^3 = 12$$

B. 
$$x^2 = 36$$

C. 
$$x^2 = 216$$

D. 
$$x^3 = 216$$

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

A. 
$$x^3 = 64$$

B. 
$$x^3 = 512$$

C. 
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D. 
$$x^2 = 64$$

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

7) Which equation has only 8 as a possible

A. 
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B. 
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C. 
$$x^3 = 64$$

D. 
$$x^3 = 12$$

value of x?

A.  $x^3 = 512$ 

B.  $x^2 = 512$ 

C.  $x^2 = 24$ 

D.  $x^3 = 24$ 

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

A. 
$$x^2 = 27$$

B. 
$$x^3 = 27$$

C. 
$$x^3 = 729$$

value of x?

A.  $x^2 = 1000$ 

B.  $x^3 = 1000$ 

C.  $x^2 = 100$ 

D.  $x^3 = 100$ 

D. 
$$x^3 = 81$$

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

A. 
$$x^3 = 21$$

B. 
$$x^3 = 343$$

C. 
$$x^3 = 49$$

D. 
$$x^2 = 49$$

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

A. 
$$x^2 = 10$$

B. 
$$x^2 = 25$$

C. 
$$x^2 = 125$$

D. 
$$x^3 = 10$$

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

A. 
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B. 
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C. 
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D. 
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**10)** Which equation has only 6 as a possible value of x?

A. 
$$x^2 = 18$$

B. 
$$x^3 = 18$$

C. 
$$x^2 = 36$$

D. 
$$x^3 = 216$$

## **Answers**

- 1. \_\_\_\_\_
- 2.
  - 3.
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_
- 7. \_\_\_\_\_
- 8.
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_

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- 1. **B**
- **B** 
  - . **D**
- 5. <u>C</u>
- 6. **B** 
  - . **A**
- 8. **B**
- 9. **D**
- 10. **D**