



Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Properties\_of\_Equality - Medium (12 problems)

Identify the property of equality (Addition or Subtraction) used to solve each equation. Show your work.

1.  $x - 2 = 5$

Property:

2.  $x + 16 = 27$

Property:

3.  $x - 7 = 6$

Property:

4.  $x + 20 = 28$

Property:

5.  $x + 2 = 7$

Property:

6.  $x - 14 = 10$

Property:

7.  $x + 10 = 21$

Property:

8.  $x - 18 = 6$

Property:

9.  $x + 12 = 30$

Property:

10.  $x + 17 = 24$

Property:



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## **Properties\_of\_Equality - Medium (12 problems)**

Identify the property of equality (Addition or Subtraction) used to solve each equation. Show your work.

11.  $x + 20 = 24$

Property:

12.  $x - 4 = 10$

Property:



## Properties\_of\_Equality – Medium (12 problems) – Answer Key

$$1. \ x - 2 = 5$$

Property: Addition Property ( $x = 7$ )

$$2. \ x + 16 = 27$$

Property: Subtraction Property ( $x = 11$ )

$$3. \ x - 7 = 6$$

Property: Addition Property ( $x = 13$ )

$$4. \ x + 20 = 28$$

Property: Subtraction Property ( $x = 8$ )

$$5. \ x + 2 = 7$$

Property: Subtraction Property ( $x = 5$ )

$$6. \ x - 14 = 10$$

Property: Addition Property ( $x = 24$ )

$$7. \ x + 10 = 21$$

Property: Subtraction Property ( $x = 11$ )

$$8. \ x - 18 = 6$$

Property: Addition Property ( $x = 24$ )

$$9. \ x + 12 = 30$$

Property: Subtraction Property ( $x = 18$ )

$$10. \ x + 17 = 24$$

Property: Subtraction Property ( $x = 7$ )



## Properties\_of\_Equality - Medium (12 problems) - Answer Key

$$11. x + 20 = 24$$

$$12. x - 4 = 10$$

Property: Subtraction Property ( $x = 4$ )      Property: Addition Property ( $x = 14$ )