



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

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

## Properties\_of\_Equality - Medium (16 problems)

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

1.  $x - 7 = 20$

Property:

2.  $x - 5 = 2$

Property:

3.  $x + 2 = 7$

Property:

4.  $x + 16 = 32$

Property:

5.  $x - 10 = 15$

Property:

6.  $x - 14 = 4$

Property:

7.  $x - 11 = 4$

Property:

8.  $x - 7 = 18$

Property:

9.  $x - 12 = 15$

Property:

10.  $x + 17 = 18$

Property:



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## Properties\_of\_Equality - Medium (16 problems)

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

11.  $x - 1 = 3$

Property:

12.  $x - 2 = 14$

Property:

13.  $x - 17 = 2$

Property:

14.  $x - 1 = 3$

Property:

15.  $x + 2 = 4$

Property:

16.  $x - 9 = 1$

Property:



# Properties\_of\_Equality - Medium (16 problems) - Answer Key

1.  $x - 7 = 20$

Property: Addition Property ( $x = 27$ )

2.  $x - 5 = 2$

Property: Addition Property ( $x = 7$ )

3.  $x + 2 = 7$

Property: Subtraction Property ( $x = 5$ )

4.  $x + 16 = 32$

Property: Subtraction Property ( $x = 16$ )

5.  $x - 10 = 15$

Property: Addition Property ( $x = 25$ )

6.  $x - 14 = 4$

Property: Addition Property ( $x = 18$ )

7.  $x - 11 = 4$

Property: Addition Property ( $x = 15$ )

8.  $x - 7 = 18$

Property: Addition Property ( $x = 25$ )

9.  $x - 12 = 15$

Property: Addition Property ( $x = 27$ )

10.  $x + 17 = 18$

Property: Subtraction Property ( $x = 1$ )



# Properties\_of\_Equality - Medium (16 problems) - Answer Key

11.  $x - 1 = 3$

Property: Addition Property ( $x = 4$ )

12.  $x - 2 = 14$

Property: Addition Property ( $x = 16$ )

13.  $x - 17 = 2$

Property: Addition Property ( $x = 19$ )

14.  $x - 1 = 3$

Property: Addition Property ( $x = 4$ )

15.  $x + 2 = 4$

Property: Subtraction Property ( $x = 2$ )

16.  $x - 9 = 1$

Property: Addition Property ( $x = 10$ )