



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

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

## Unit 2 – Property of Equality

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

1.  $2x + 79 = 163$

Property:

2.  $4x + 23 = 59$

Property:

3.  $3x + 10 = 136$

Property:

4.  $3x + 10 = 109$

Property:

5.  $3x - 67 = 38$

Property:

6.  $4x - 57 = -49$

Property:

7.  $2x + 78 = 100$

Property:

8.  $4x - 12 = 52$

Property:



## Unit 2 – Property of Equality – Answer Key

1.  $2x + 79 = 163$

Sub+Div Property  
 $x = 42$

2.  $4x + 23 = 59$

Sub+Div Property  
 $x = 9$

3.  $3x + 10 = 136$

Sub+Div Property  
 $x = 42$

4.  $3x + 10 = 109$

Sub+Div Property  
 $x = 33$

5.  $3x - 67 = 38$

Add+Div Property  
 $x = 35$

6.  $4x - 57 = -49$

Add+Div Property  
 $x = 2$

7.  $2x + 78 = 100$

Sub+Div Property  
 $x = 11$

8.  $4x - 12 = 52$

Add+Div Property  
 $x = 16$