



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

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

# Algebra 1 – Unit 2 – Property of Equality (add/subtract) (Challenge)

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

1.  $2x + 22 = 36$

Property:

2.  $2x + 34 = 38$

Property:

3.  $3x - 66 = 51$

Property:

4.  $5x + 29 = 129$

Property:

5.  $2x + 37 = 75$

Property:

6.  $2x - 68 = -52$

Property:

7.  $5x + 66 = 106$

Property:

8.  $3x - 17 = 79$

Property:



# ra 1 – Unit 2 – Property of Equality (add/subtract) (Challenge) – Answer

1.  $2x + 22 = 36$

Sub+Div Property  
 $x = 7$

2.  $2x + 34 = 38$

Sub+Div Property  
 $x = 2$

3.  $3x - 66 = 51$

Add+Div Property  
 $x = 39$

4.  $5x + 29 = 129$

Sub+Div Property  
 $x = 20$

5.  $2x + 37 = 75$

Sub+Div Property  
 $x = 19$

6.  $2x - 68 = -52$

Add+Div Property  
 $x = 8$

7.  $5x + 66 = 106$

Sub+Div Property  
 $x = 8$

8.  $3x - 17 = 79$

Add+Div Property  
 $x = 32$