



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:



Fra 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
 $x = 32$