



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

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

## Unit 2 – Property of Equality

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

$$1. \frac{2}{3}x = 24$$

Property:

$$2. \frac{x}{30} = 88$$

Property:

$$3. \frac{x}{\frac{1}{2}\{3\}} = 46.5$$

Property:

$$4. 0.4x = 12.0$$

Property:

$$5. \frac{x}{0.4} = 205.0$$

Property:

$$6. \frac{5}{4}x = 28.75$$

Property:

$$7. 12x = 60$$

Property:

$$8. \frac{x}{30} = 2$$

Property:



## Unit 2 – Property of Equality – Answer Key

$$1. \frac{2}{3}x = 24$$

division by fraction Property  
 $x = 36$

$$2. \frac{x}{30} = 88$$

Mult Property  
 $x = 2640$

$$3. \frac{x}{\frac{1}{2}} \{3\} = 46.5$$

multiplication by reciprocal Property  
 $x = 31$

$$4. 0.4x = 12.0$$

division by decimal Property  
 $x = 30$

$$5. \frac{x}{0.4} = 205.0$$

multiplication by decimal Property  
 $x = 82$

$$6. \frac{5}{4}x = 28.75$$

division by fraction Property  
 $x = 23$

$$7. 12x = 60$$

Div Property  
 $x = 5$

$$8. \frac{x}{30} = 2$$

Mult Property  
 $x = 60$