



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

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

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
 $x = 60$