

Practice Worksheet for Lesson 2-2

Name:

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Justify each statement with a property from algebra.

1) If $6x - 7 = 29$, then $6x = 36$

2) If $4x = 20$, then $x = 5$

3) If $x/9 = 2$, then $x = 18$

4) If $3x + 5 = -22$, then $3x = -27$

5) $15(2x + y) = 30x + 15y$

6) If $m\angle A = m\angle B$ and $m\angle B = m\angle C$, then $m\angle A = m\angle C$.

7) If $2(x + 1) = 8$, then $8 = 2(x + 1)$

8) Justify each step with a property from Algebra.

$$\frac{1}{2}x + 4 = 4(x - 5)$$

$$\frac{1}{2}x + 4 = 4x - 20$$

$$\frac{1}{2}x + 24 = 4x$$

$$24 = 3.5x$$

$$6.9 = x$$

Property

given