

Name : _____

Direct and Inverse Variation - Equation

Sheet 4

State whether each equation represents a direct or an inverse variation.
Find the constant of variation (k).

1) $\frac{x}{2y} = 15$

2) $-13xy + 3 = -8$

3) $-8y + x = 0$

5) $-16 + xy = 32$

7) $14xy = 8$

9) $-10yx + 8 = 6$

10) $15 - 2yx = -7$

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Direct and Inverse Variation - Equation

State whether each equation represents a direct or an inverse variation.
Find the constant of variation (k).

1) $\frac{x}{2y} = 15$

2) $-13xy + 3 = -8$

Direct variation, $k = \frac{1}{30}$ **Inverse variation, $k = \frac{11}{13}$**

3) $-8y + x = 0$

Direct var**variation, $k = 4$**

5) $-16 + xy = 32$

Inverse var**variation, $k = \frac{2}{9}$**

7) $14xy = 8$

Inverse variation, $k = \frac{1}{7}$ **Direct variation, $k = 18$**

9) $-10yx + 8 = 6$

10) $15 - 2yx = -7$

Inverse variation, $k = \frac{1}{5}$ **Inverse variation, $k = 11$**

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