

Name : _____

Direct and Inverse Variation - Equation

Sheet 5

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

1) $\frac{2y}{7x} + 3 = 15$

2) $17y - 4x = 0$

3) $22xy = 22$

5) $14yx - 1 = 6$

7) $4x - 11y = 0$

9) $2yx - 6 = 14$

10) $15 + 32yx = 20$

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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) $\frac{2y}{7x} + 3 = 15$

2) $17y - 4x = 0$

Direct variation, $k = 42$ **Direct variation, $k = \frac{4}{17}$**

3) $22xy = 22$

Inverse va**variation, $k = \frac{3}{13}$**

5) $14yx - 1 = 6$

Inverse va**variation, $k = 24$**

7) $4x - 11y = 0$

Direct variation, $k = \frac{1}{11}$ **Direct variation, $k = \frac{5}{6}$**

9) $2yx - 6 = 14$

10) $15 + 32yx = 20$

Inverse variation, $k = 10$ **Inverse variation, $k = \frac{5}{32}$**

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