

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

## Direct and Inverse Variation - Equation

Sheet 2

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

1)  $-9 + 12xy = 2$

2)  $19xy - 1 = 9$

3)  $y - 13x = 0$

5)  $-4x + 9y = 0$

7)  $15 + 2yx = 21$

9)  $28xy = 4$

10)  $-13y + 6x = 0$

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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)  $-9 + 12xy = 2$

2)  $19xy - 1 = 9$

**Inverse variation,  $k = \frac{11}{12}$** **Inverse variation,  $k = \frac{10}{19}$** 

3)  $y - 13x = 0$

**Direct vari****variation,  $k = 12$** 

5)  $-4x + 9y = 0$

**Direct var****variation,  $k = \frac{5}{13}$** 

7)  $15 + 2yx = 21$

**Inverse variation,  $k = 5$** **Direct variation,  $k = 1$** 

9)  $28xy = 4$

10)  $-13y + 6x = 0$

**Inverse variation,  $k = \frac{1}{7}$** **Direct variation,  $k = \frac{6}{13}$** 

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