

# Direct and Inverse Variation

1) Select all the equations that model direct variation.

a)  $\frac{y}{x} - 5 = 1$       b)  $2 - \frac{y}{x} = -2$       c)  $-x - y = 0$       d)  $xy - 5 = 1$

2) Which of the following equations model direct variation?

a)  $y + x = 0$       b)  $y - 1 = 3x$       c)  $\frac{x}{y} + 2 = 1$       d)  $\frac{y}{x} - 6 = -5$

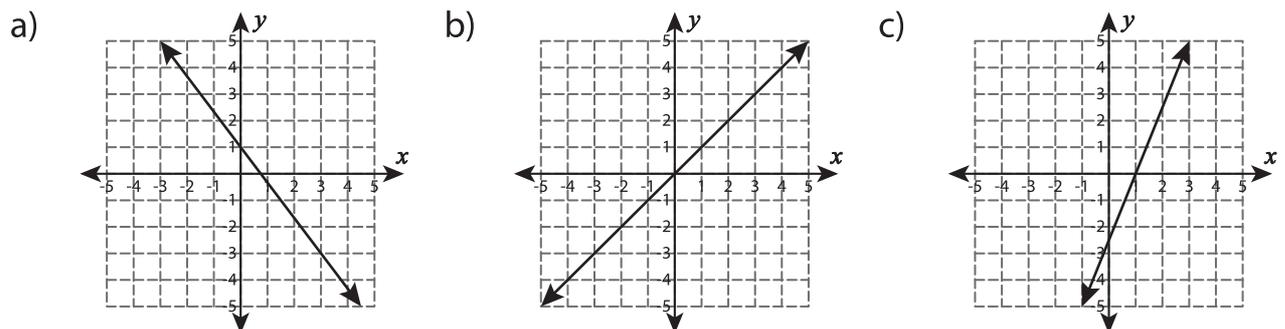
3) Select all the equations that model inverse variation.

a)  $\frac{x}{y} + 7 = 8$       b)  $2y = \frac{10}{x}$       c)  $-y + \frac{6}{x} = 0$       d)  $5y = -y + \frac{3}{x}$

4) Which of the following equations model inverse variation?

a)  $\frac{7}{x} = y$       b)  $-y - \frac{1}{x} = 0$       c)  $\frac{y}{x} - 4 = 9$       d)  $x = \frac{2}{y}$

5) Select the graph that shows direct variation.



6) Select the graph that shows inverse variation.

