

Direct and Inverse Variation

1) Which of the following equations model direct variation?

a) $\frac{y}{x} + 3 = 9$ b) $-25x - 5y = 0$ c) $4 + \frac{y}{x} = 8$ d) $12y - 2 = 3x$

2) Which of the following equations model inverse variation?

a) $\frac{y}{x} + 10 = 30$ b) $8y - \frac{16}{x} = 0$ c) $-9y = 11y + \frac{2}{x}$ d) $2y = \frac{6}{x}$

3) Select all the equations that model direct variation.

a) $\frac{y}{x} + 1 = 3$

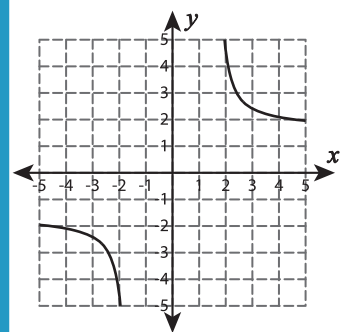
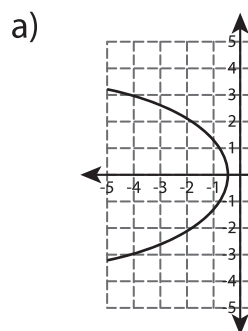
d) $\frac{x}{y} + 1 = 4$

4) Select all the equations that model inverse variation.

a) $5x = \frac{15}{y}$

d) $\frac{24}{x} = 4y$

5) Select the graph that shows inverse variation.



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6) Select the graph that shows direct variation.

