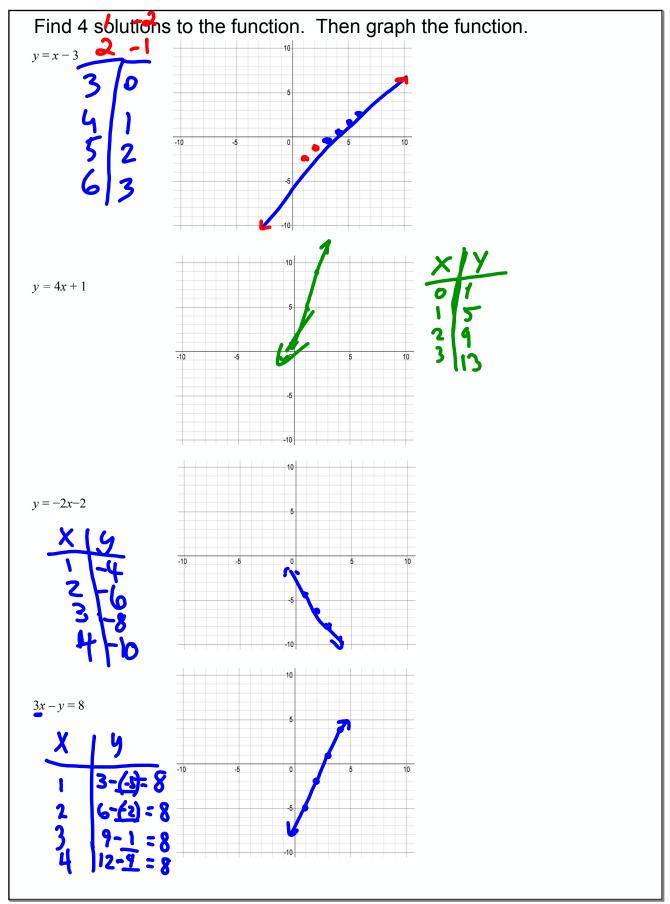
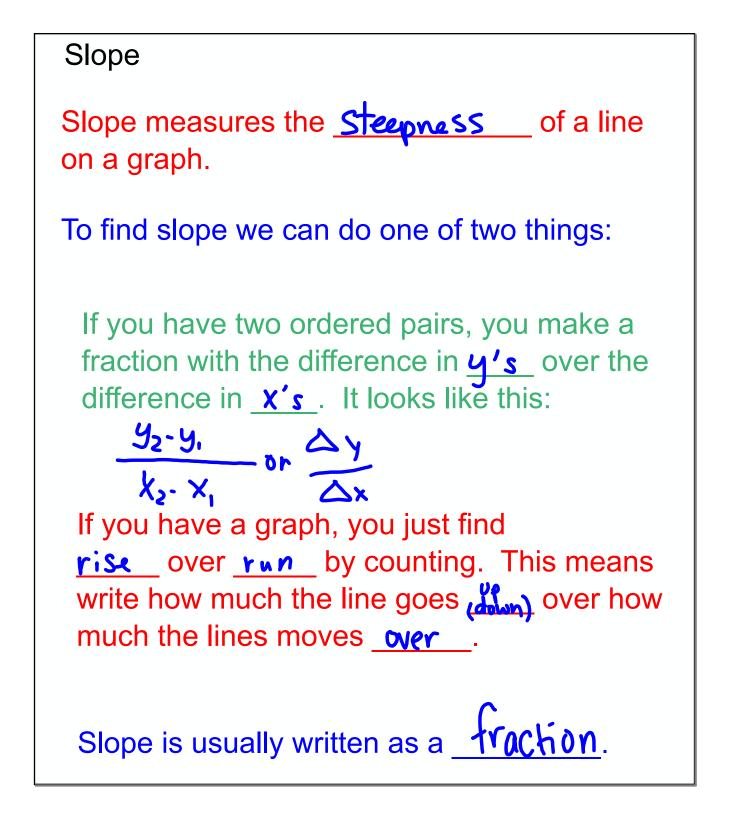
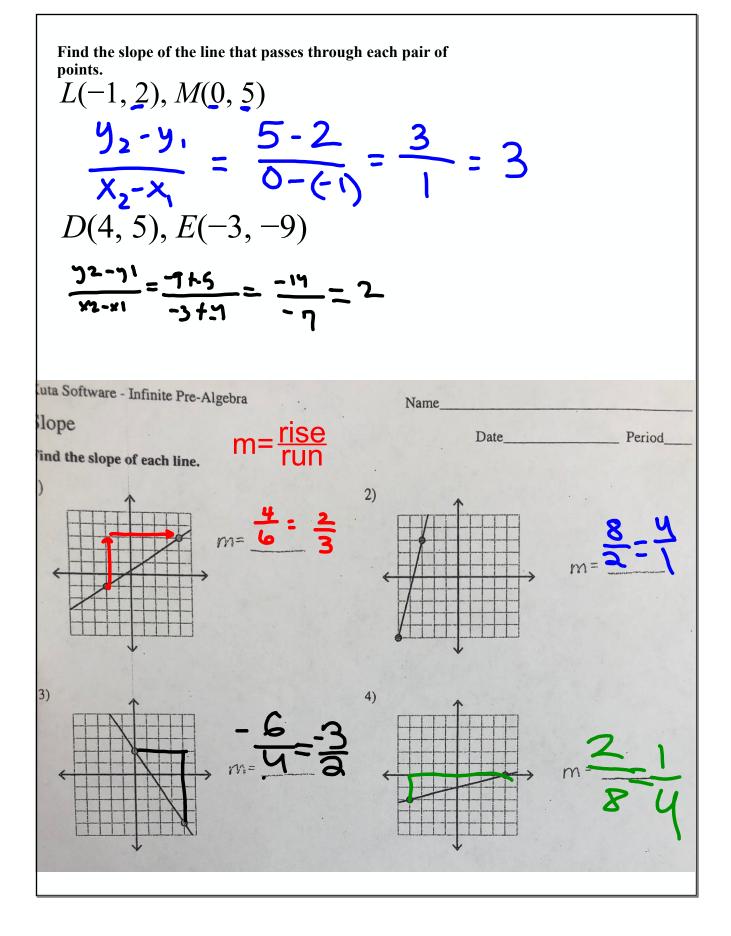


To find four solutions to a function, you must choose any four $\underline{X'S}$ and find their $\underline{y'S}$ using the function \underline{rule} .

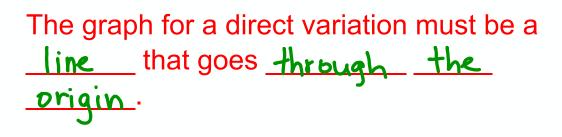
Solutions to a function should be written as <u>ordered</u> <u>pairs</u>, which can then be graphed to make a line of ALL solutions.







Direct Variations

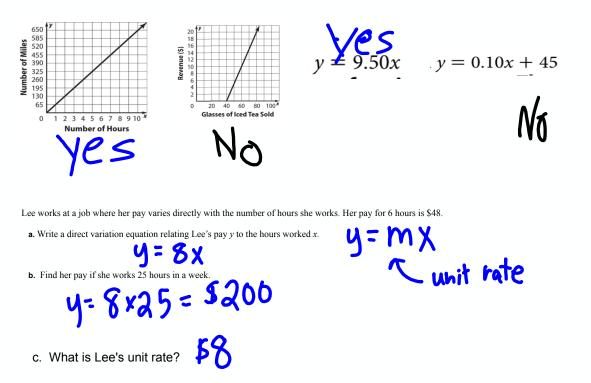


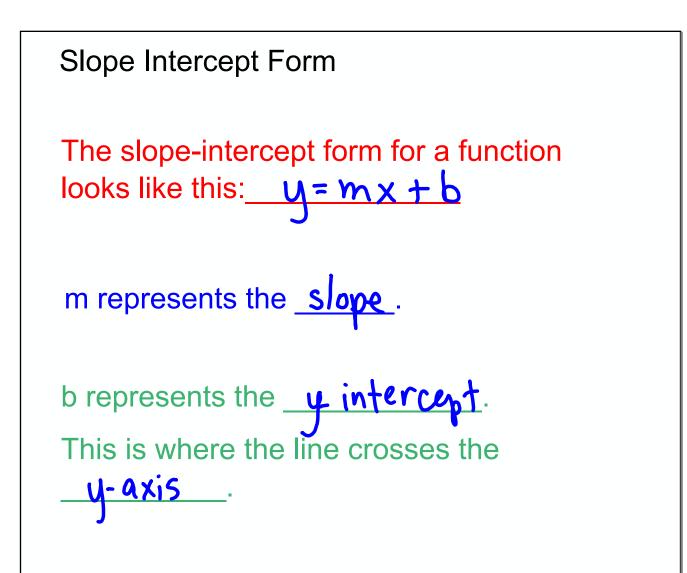
The equation for a direct variation looks like $y = m\chi$. $y^{2} + 2\pi$ $y^{2} + 5\pi$

In the equation for a direct variation, the "m" stands for the <u>slope</u> of the line, the <u>Constant</u> of variation, or the <u>unit</u> rate.

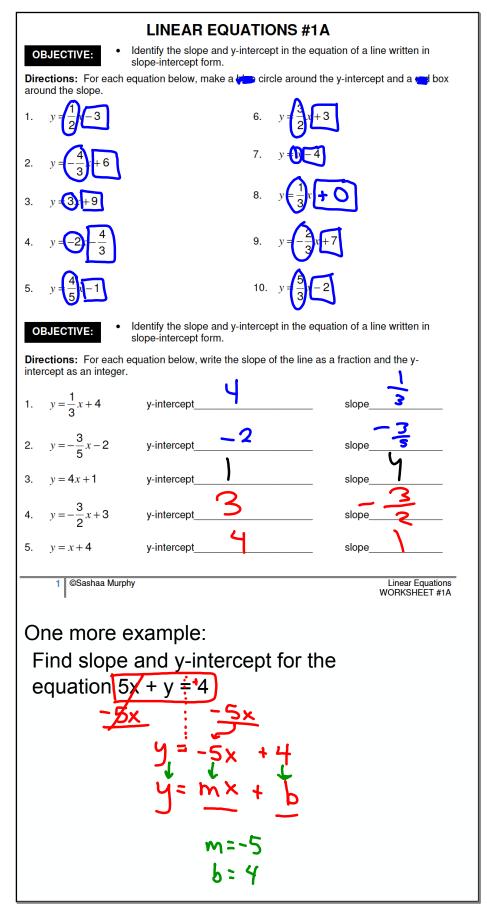
Examples:

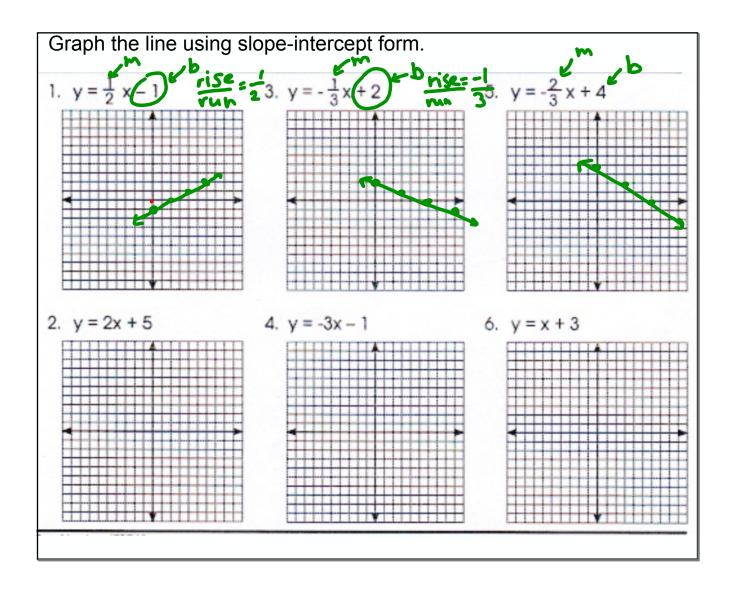
Are these direct variations?

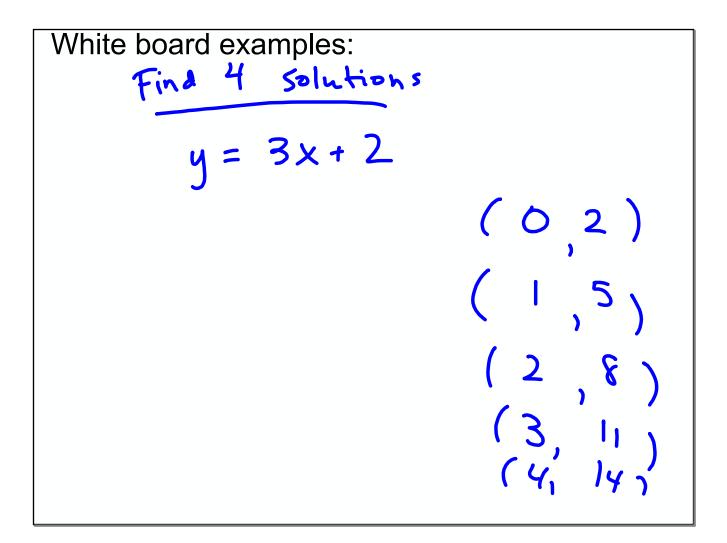


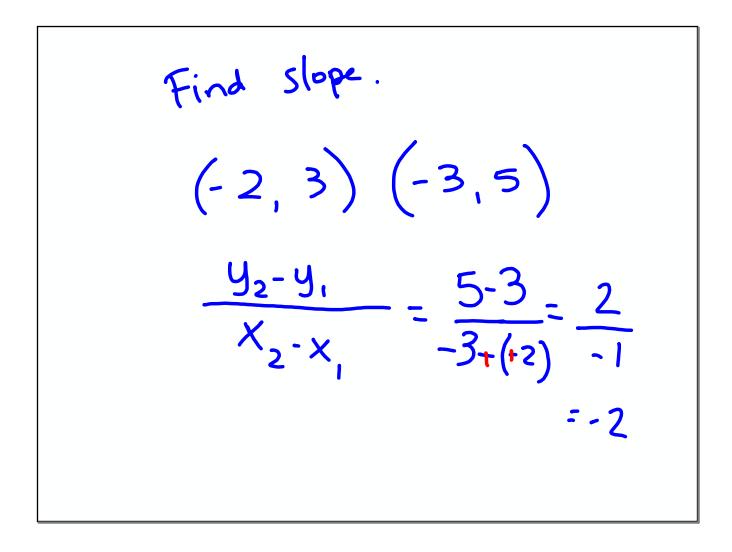


If an equation is NOT in slope-intercept form, add or subtract the x-term from each side to get v by itself. This will put the equation in slope-intercept form.









Find slope.

$$(-5, 7)(3, -3)$$

$$\frac{y_{2}-y_{1}}{x_{2}-x_{1}} = \frac{-3+7}{3+(+5)} = \frac{-10}{8}$$

$$\frac{7-(-3)}{-5+3} = \frac{10}{-8}$$

