

NAME: \_\_\_\_\_

1. Explain how you would graph the line with equation  $3x - 4y = 8$ .
2. Suppose you want to graph the equation  $y = \frac{2}{3}x - 4$ . Show the key sequence you would use to graph this equation.
3. Explain how to use the  $x$ - and  $y$ -intercepts to find  $X_{\min}$ ,  $X_{\max}$ ,  $Y_{\min}$ , and  $Y_{\max}$  to graph a linear equation on a graphing calculator.

Sample: Write the equation in slope-intercept form,  $y = \frac{3}{4}x - 2$ , plot a point at the y-intercept  $(0, -2)$ ,

[1] use the slope  $\frac{3}{4}$  to plot a second point, and then draw a line through the points.

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[2] 

Y =	2	÷	3	×	X, T, Θ	−	4	GRAPH
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[3] Set Xmin, Xmax, Ymin, and Ymax so that the  $x$ - and  $y$ - axes and the  $x$ - and  $y$ - intercepts are included.

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