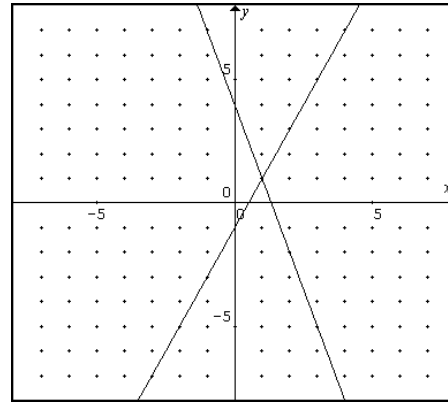


Determining Points of Intersection Graphically

Date: _____

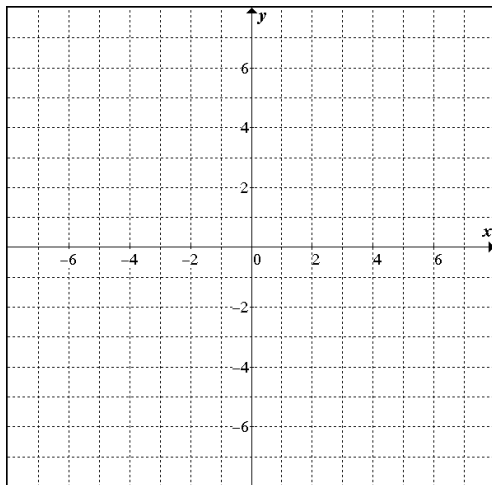
The following graph shows the intersection of the lines $y = 2x - 1$ and $3x + y - 4 = 0$

- a) Label each line with its equation.
- b) What are the coordinates of the point of intersection? (,)
- c) How could you check that your answer for the point of intersection is correct?

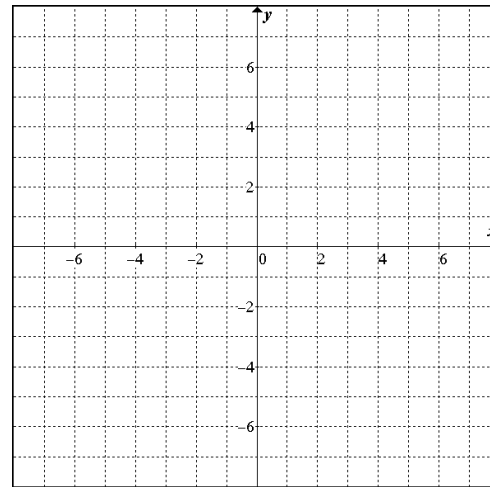


1. Use the slope-intercept method to sketch the following pairs of lines on the same axes. Determine the point of intersection and **show a check** of your answer.

a) $y = \frac{2}{3}x - 1$ and $y = -x - 6$



b) $y = -\frac{1}{2}x + 3$ and $y = 3x - 4$



2. What are some possible advantages and disadvantages to determining a point of intersection using a graphing method?