

MATH 1314

Section 1.3

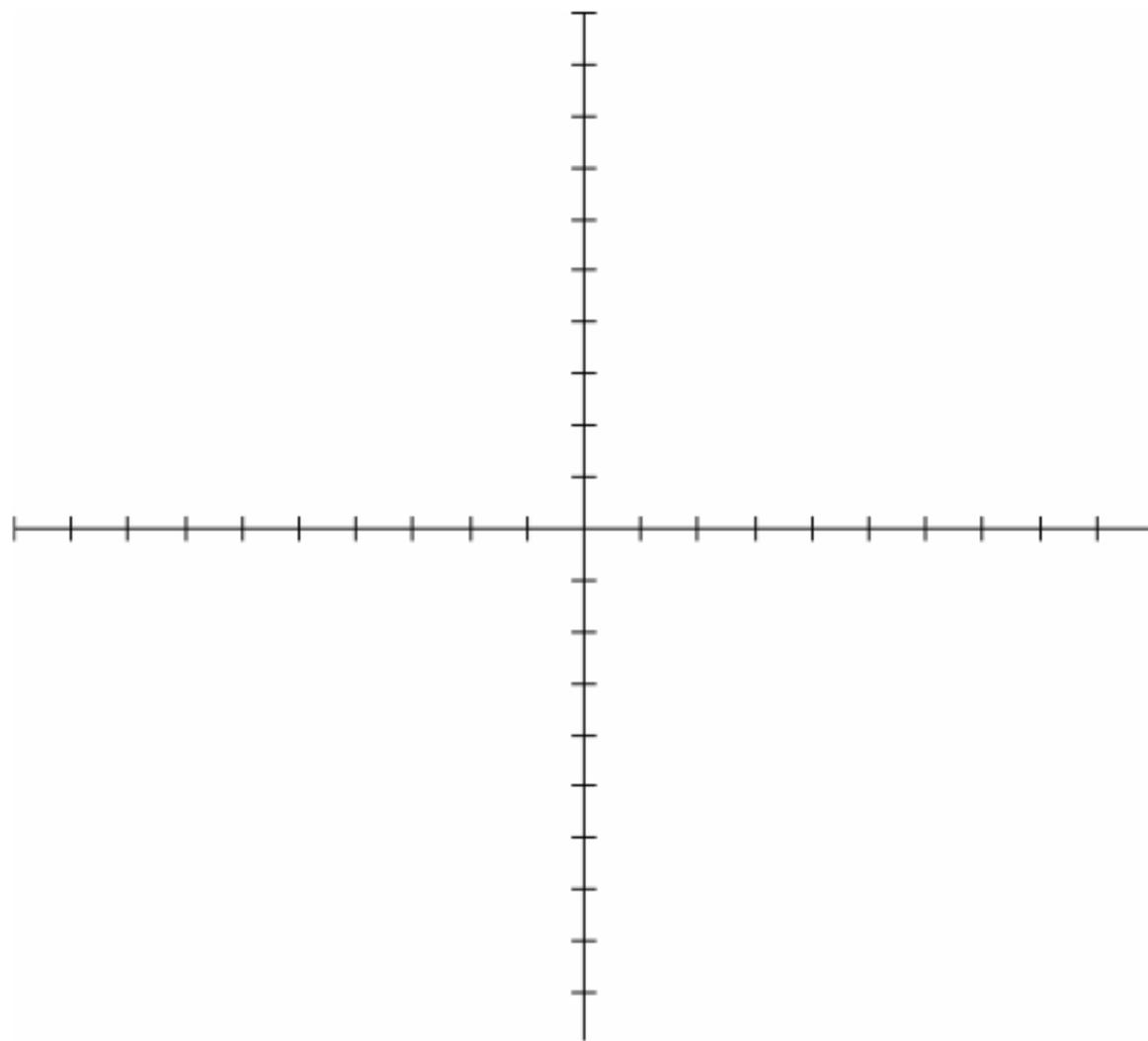
Graphing Equations

Example 1: Determine which of the points $(3, 2)$, $(-1, 3)$ and $(0, 2)$ are on the graph of the equation $4x - 3y = 6$.

Example 2: Determine which of the points $(-1, 1)$, $(2, -1)$ and $(-2, -1)$ are on the graph of the equation $x^2 + 3xy + 2 = 0$

When we graphing an equation, it will be helpful to have more points than just the x and y intercepts of the graph. We can create a table of values with more choices for x and find the corresponding y values.

Example 3: Sketch the graph of the equation by plotting points: $y = -3x + 2$.



Example 4: Sketch the graph of the equation by plotting points: $y = x + 3$

