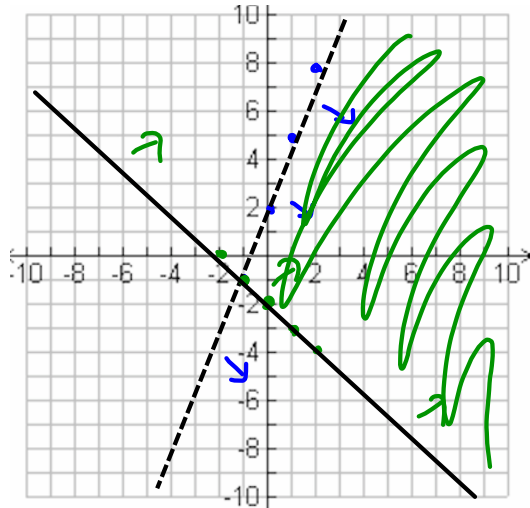


Graphing a Region Formed by Two Inequalities

Graph the following inequalities on the same cartesian plane.

$$1) y < 3x + 2$$

$$y \geq -x - 2$$

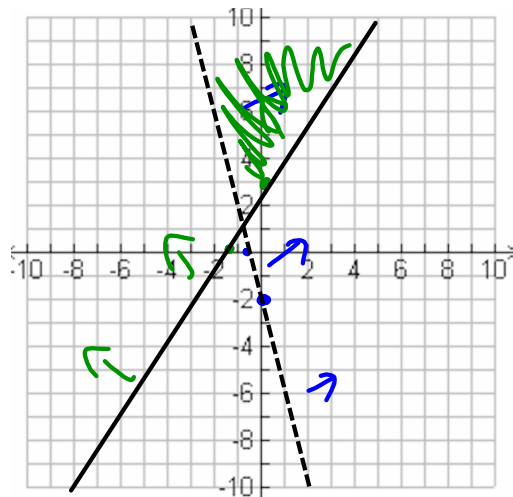


$$2) 3x + y > -2$$

$$2x - y \leq -3$$

$$\textcircled{1} 3x + y > -2$$

x	y
0	-2
$-\frac{2}{3}$	0



$$\textcircled{2} 2x - y \leq -3 \text{ * special case}$$

x	y
0	3
$-\frac{3}{2}$	0