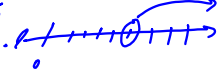8.6 Graphing Linear
        Inequalities

Graphing Linear
problems that
involve $>, <, \geq, \leq$

Remember $X > 5$
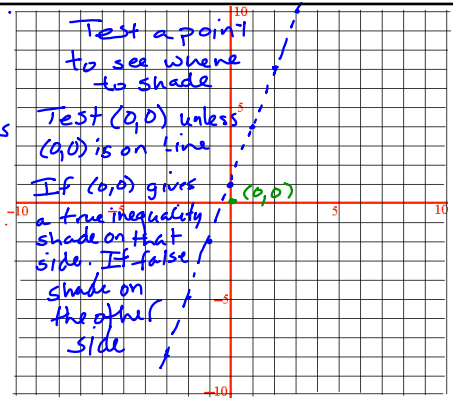

$y > 3x + 1$
$0 > 0 + 1$
No
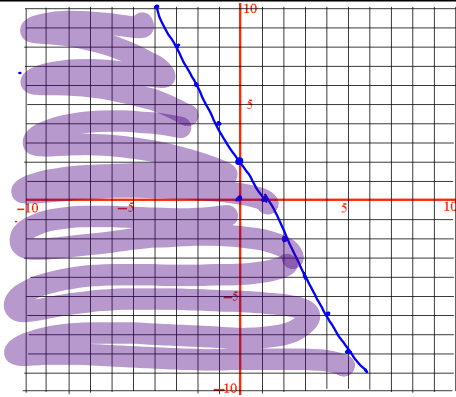
Inequalities

$>, <$

dashed line

$\geq, \leq$

solid line

Test a point
to see where
to shade

Test $(0,0)$ unless
$(0,0)$ is on line

If $(0,0)$ gives
a true inequality
shade on that
side. If false
shade on
the other
side

$(0,0)$

$y \leq -2x + 2$
$0 \leq 0 + 1$
true

$2x - 3y \geq 6$
$0 - 0 \geq 6$
No