

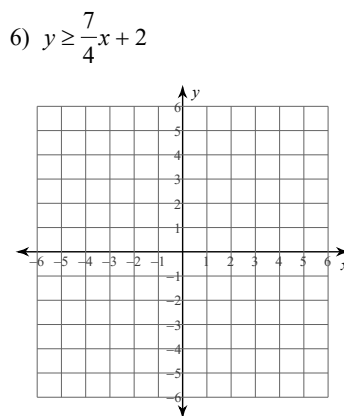
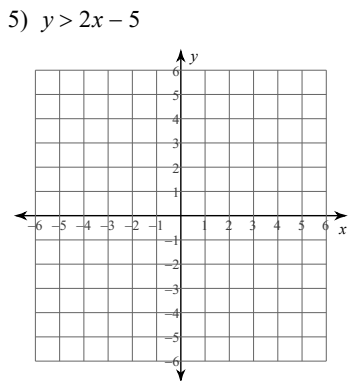
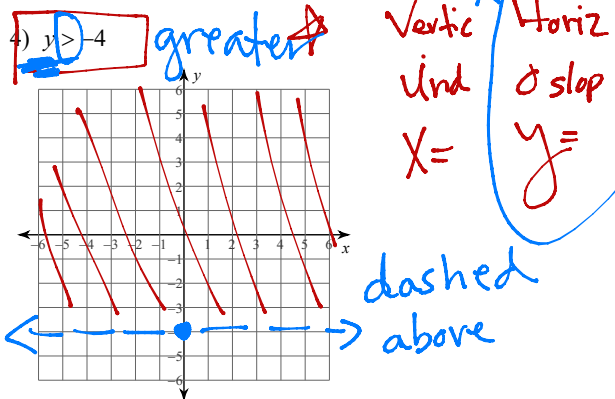
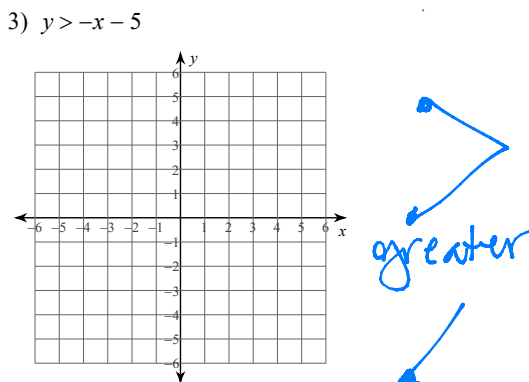
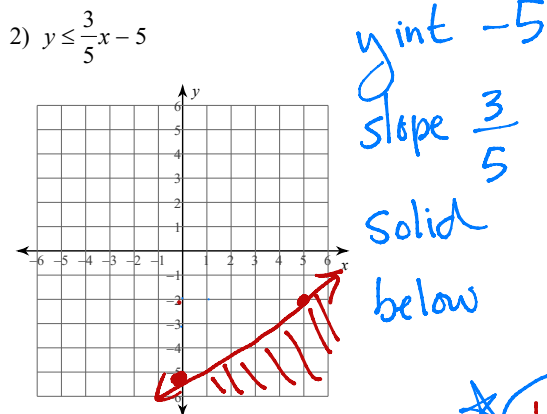
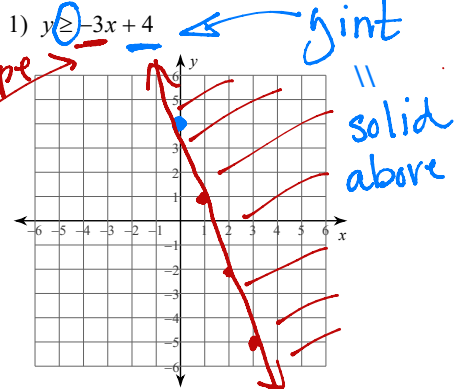
Warmup

Find this paper from Friday

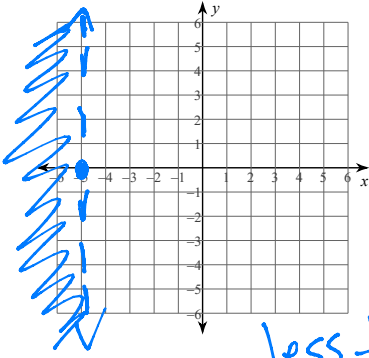
Graphing Linear Inequalities

Get started on it. Grab a marker from the front.

Sketch the graph of each linear inequality



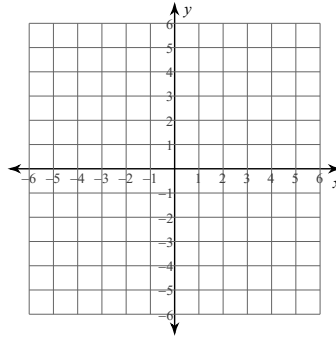
7) $x < -5$



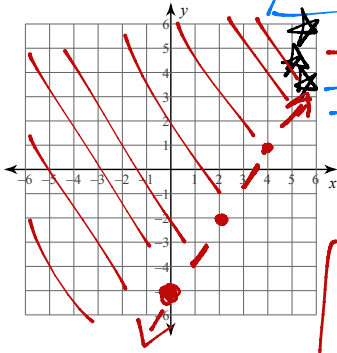
Vertical
 \downarrow
 \times
 dashed

less than

8) $y \leq \frac{4}{3}x - 4$



★
 9) $3x - 2y < 10$



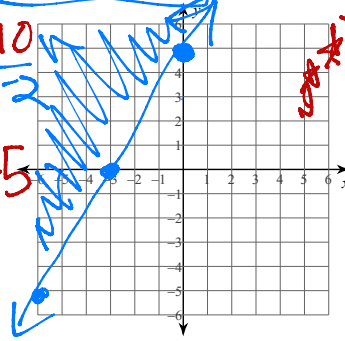
$3x - 2y < 10$
 $-3x$ $-3x$

$-2y < -3x + 10$
 -2 -2

$y > \frac{3}{2}x - 5$

y int: -5
 slope: $\frac{3}{2}$
 dashed
 above

10) $5x - 3y \leq -15$



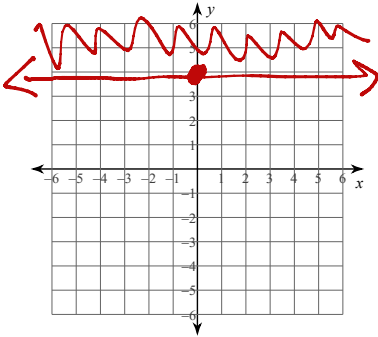
$5x - 3y \leq -15$
 $-5x$ $-5x$

$-3y \leq -5x - 15$
 -3 -3

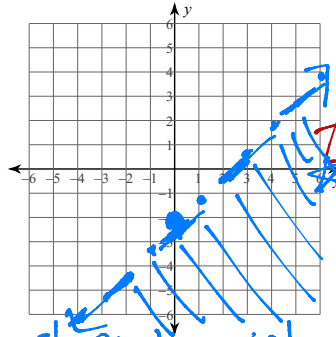
$y \geq \frac{5}{3}x + 5$

y int: 5
 slope: $\frac{5}{3}$
 solid
 above

11) $y \geq 4$



12) $x - y > 2$



$x - y > 2$
 $-x$ $-x$

$-y > -x + 2$
 -1 -1

$y < x - 2$

slope: 1
 y int: -2
 dashed
 below