# Algebra II

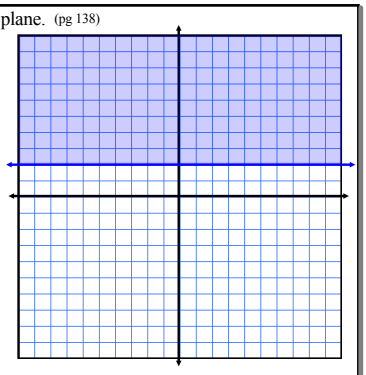
SS 3

Systems of Linear Inequalities

Graph each inequality in a coordinate plane. (pg 138)

1) $y - 2 \geq 0$

$y \geq 2$



Graph each inequality in a coordinate plane.

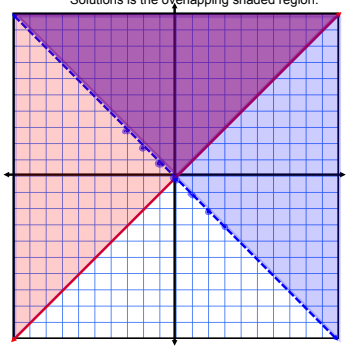
21) $x + y > 0$ → $y > -x$ $m = -1$ $b = 0$

$x - y \leq 0$

$1x \leq y$

$m = 1$ $b = 0$

Solutions is the overlapping shaded region.



Graph each inequality in a coordinate plane.

31) $x \geq 0$

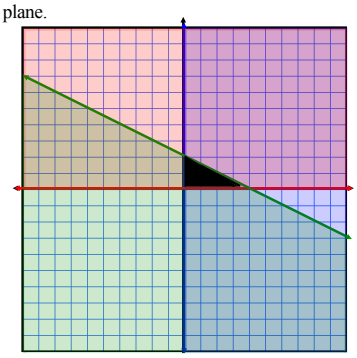
$y \geq 0$

$x + 2y \leq 4$

$2y \leq -x + 4$

$y \leq -\frac{1}{2}x + 2$

$m = -\frac{1}{2}$ $b = 2$



pg 138

2-10 even,
16-20 even,
24-36 even,
44

16 graphs