Geometry 1 - Mr. C. - All work on looseleaf. Name_____

Homework 9-22-11 (evens)

Date_____ Period____

Solve each compound inequality and graph its solution.

1) $5m - 6 > -2m + 1$ or $4m - 2 > 5m + 4$

2) $4 + 4r \leq -3 - 3r < 1 - r$

Write the slope-intercept form of the equation of the line through the given points.

3) through: $(3, 0)$ and $(5, 1)$

4) through: $(3, -3)$ and $(1, 1)$

5) through: $(3, 3)$ and $(-2, 0)$

6) through: $(2, 5)$ and $(-3, 2)$

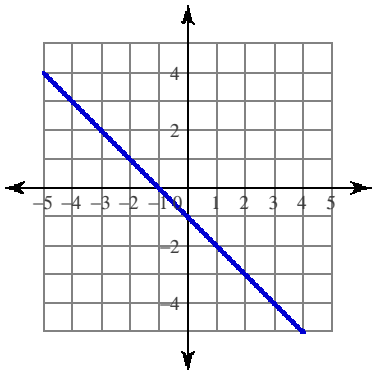
Write the slope-intercept form of the equation of the line described.

7) through: $(1, -1)$, parallel to $y = 4x + 2$

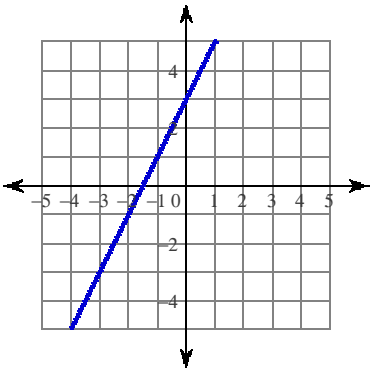
8) through: $(2, -3)$, perp. to $y = -\frac{7}{2}x$

Write the slope-intercept form of the equation of each line.

9)



10)



Solve each system.

11) $0 = 5 + y + 2x$
$5 = -4x - 7y$

12) $3y = -5x + 11$
$-20x = -24 + 2y$

13) $y = 5x + 22$
$-8x + 7y = -8$

14) $3x - 6y = -15$
$y = x + 6$