SECONDARY MATH III
UNIT 2
EQUATIONS AND INEQUALITIES – 2.4 TO 2.7

NAME_____
DATE_____
CLASS_____

State the slope and y-intercept of the graph of each equation.

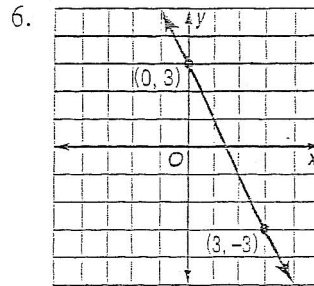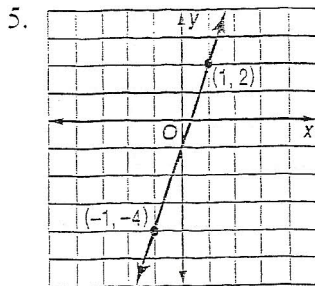1. $y = 7x - 5$

2. $3x + 4y = 4$

3. $2x - y = 5$

4. $y = -\dfrac{3}{5}x + 3$

Write an equation in slope-intercept form for each graph.

5.

6.

Write an equation in slope-intercept form for the line that satisfies each set of conditions.

7. slope 3, passes through (1, -3)

8. slope -1, passes through (0, 0)

9. passes through (-1, -2) and (-3, 1)
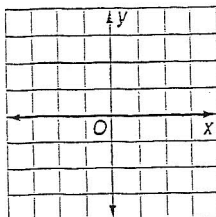
10. passes through (-2, -4) and (1, 8)

11. x-intercept 2 and y-intercept -6
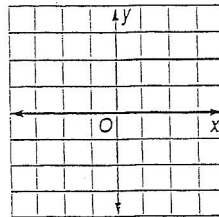
12. x-intercept 3, y-intercept 5

Graph each inequality.

13. $2 - y < x$

14. $x - y > -2$

15. $9x + 3y - 6 \leq 0$