Math 070
Graphing Worksheet

Graph:

1. (-4, -1), (0, 3), (5, 0), (-3, 2), (0, 0)

Determine if the ordered pair is a solution to the equation:

2. $3x + y = 8$; (2, 3), (0, 8)

Graph

3. $x - 3y = 6$

4. Five times the x-value added to twice the y-value is 10.

Find the x and y intercepts and graph:

5. $y = 3 - {}^{3}/_{4}x$

6. $4x + y = 7$

Determine the slope of the line and graph:

7. (-2, 8), (3, 2)

Determine the slope of the line parallel and perpendicular to the line:

8. (3, -1), (5, 5)

Graph:

9. $x + 2y > 4$

10. $5x + 3y \leq 12$

Determine the slope of the line, the slope of the parallel and perpendicular lines, and graph:

9. $3x + 2y = 10$

10. $y = 3$

11. $x + 7 = 2$

12. $-3x - 4y = 10$

Find the equation of the line. Write the equation in standard form. Graph the line.

13. With slope = ¼ and point (4, 12)

14. Through the points (4, 2) and (-1, -4)

15. Parallel to the line $2x + 3y = 5$ and through the point (6, -1)

16 Perpendicular to the line $4x + y = 6$ and through the point (-4, 3)

17. Parallel to the x-axis and through the point (5, -5)

18. Perpendicular to the x-axis and through the point (6, -2)