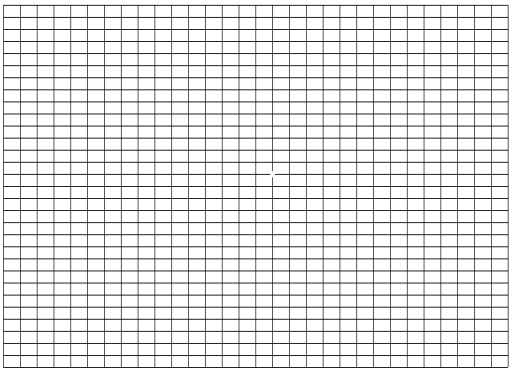
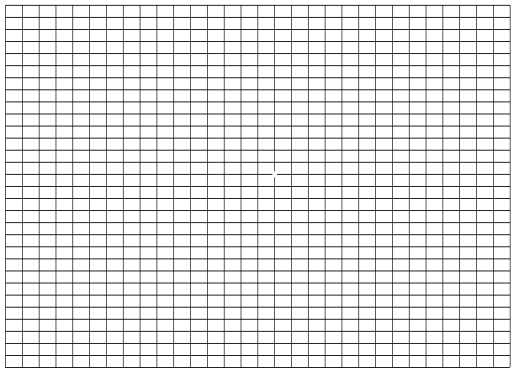
Assignment:

1. Graph each of the following using the indicated method (using table of values, slope intercept form, or x and y intercept form)

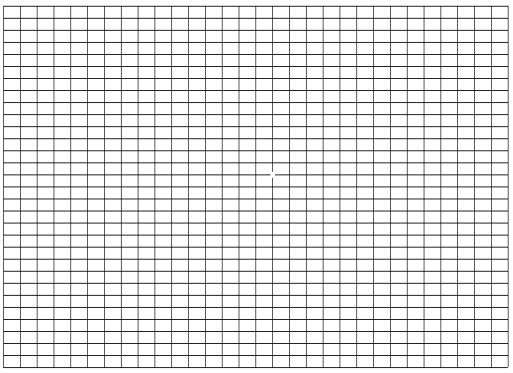
a) 5x - 3y = 15 - table of values



b) -4x + 3y = 12 - slope-intercept



c) 3x - 4y = 24 - x and y -intercept



2. Given -7x + 2y = 11 determine:

a) slope
b) y-intercept
c) x-intercept

3. Given the two points (-5, 3) and (7, -6) determine:

a) slope of line segment
b) midpoint of line segment
c) distance between the two points
d) the slope of a line parallel to the given line segment
e) the slope of a line perpendicular to the line segment

4. Determine the equation given:

a) m = -2/7 and b = -4
b) m = -3/5 and (0, 5)
c) m = 4/9 and (-1, 5)
d) (4, -7) and (-3, 9)
e) through (-3, 7) and parallel to the equation 5x - 3y = 7
f) through (6, -5) and perpendicular to the line segment defined by the points (-1, 5) and (-5, 8)
g) perpendicular bisector of the line segment defined by the points (-7, 12) and (5, -4)
h) through (-6, 2) and parallel to x-axis
i) through (-2, 9) and perpendicular to x-axis