

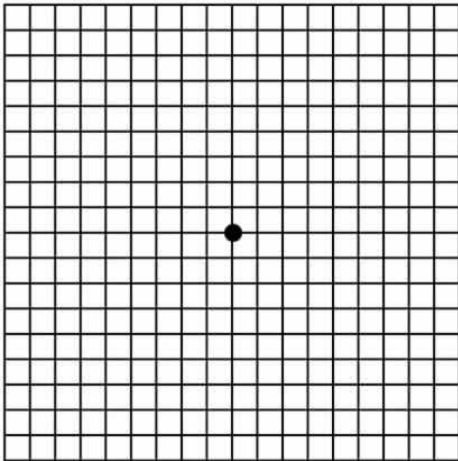
Name: _____
Date: _____
Class: _____

Algebra
Review
Graded Homework 12

Show all of your work for every problem. The numbers in the brackets are the points that each problem is worth. Multiple Choice Problems are worth 3.
NO WORK = ZERO CREDIT

1) [3] 3 consecutive integers are related in the following manner. The sum of the 1st and 1/3rd of the 2nd is equal to 84 less than 1/4th the sum of the 1st and 3rd. What is the middle integer?

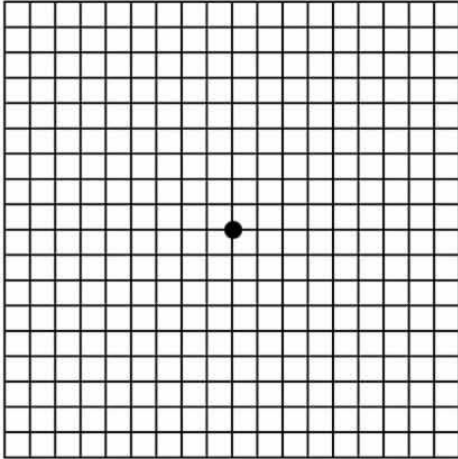
2) [3] Graph $5x - 3y > 12$



3) [4] Find the solution to the system of equations: $4x - 7y = -8$ and $14y - 12x = 21$

4) [3] If $g(x) = \frac{3-4x-x^2}{10-x}$ evaluate $g(-4)$

5) [3] Graph $g(x) = 2x^2 + 4x + 6$ on the interval $-2 < x \leq 2$



6) [2] Simplify: $3(x^2 - 8x + 7) - x(7 - 2x)$

7) [3] If the point $(x, -5)$ is on the graph of the function: $f(x) = 7 - 2x$ find x .

8) [3] Solve using a graph: $\frac{1}{3}x + \frac{7}{3} = |x| - 1$

