

Name: _____
Date: _____
Class: _____

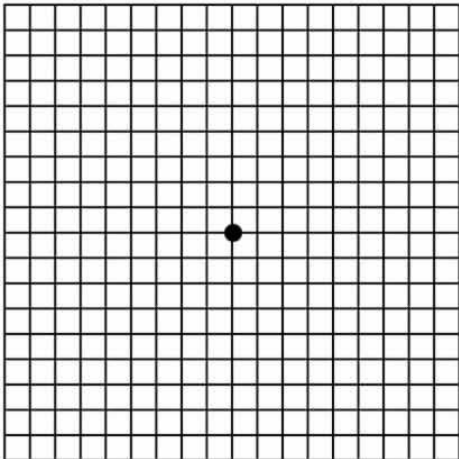
Algebra
Review
Graded Homework 13

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] Find $f(3)$ if $f(x) = 6x^2 - 8x - 2 - \frac{6-10x^2}{8-x}$

2) [3] Simplify: $8x^2(10 - 6x + 2x^2) + (10 - x)^2 + 4x - 9$

3) [4] Graph the system of inequalities $4x - 5y > 10$ and $8x + 6y \leq 12$



4) [4] Find the solution to the system: $10y - 10x = 68$ and $20x + 30y = 69$

5) [4] 3 families all have pets. Family B has 5 more than 3 times as many pets as Family A. Family C has 4 less than twice as many pets as Family B. Family C and Family A have one more pet combined than Family B. How many pets does Family A have?

6) [3] Find the equation of a line that passes through $(-6, 5)$ and $(-2, 6)$.

7) [3] If $t(y) = 6 - 7y - y^2$ find $t(-2) + t(5)$

8) [4] Find the solutions of: $|x - 2| - 1 = 4 + \frac{1}{4}x$