

Name: _____
Date: _____
Class: _____

Algebra
Review
Graded Homework 19

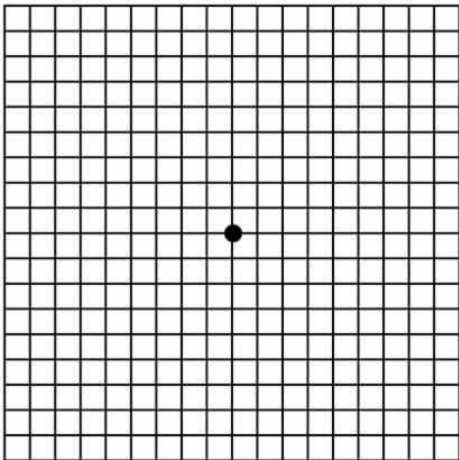
Show all of your work for every problem. The numbers in the brackets are the points that each problem is worth. Multiple Choice Problems are worth 3.
NO WORK = ZERO CREDIT

1) [3] Simplify: $\frac{4-(3+2x)-6x}{6x-2(6-x)+7}$

2) [4] Solve: $6 - 4(2x + 14) - 6x = x - (10 - 3x) + 5$

3) [4] Solve: $0 = 2x^3 - 18x^2 - 224x$

4) [3] Solve the system: $4x - 6y \geq -18$, and $7x < 8y - 24$



5) [3] Solve the following equation for h: $3ah - a(2a - 6h) = 4a^2 + 5ah - 12$

6) [4] Evaluate when $x = -2$: $\frac{6x^2 - 4(10 - x)}{10 - 3x} - 2x^2 + 6$

7) [3] Would $(-3, 5)$ fall on the graph of the function: $t(x) = x^2 - 4x - 8$?

8) [4] Solve: $10x + \frac{6(2+3x)}{7} = 20 - 2(4 - 2x)$