

Name _____

Answer the following questions, showing all your work. This will be scored, but the grade will not count.

- 1) Solve by factoring: Then, rewrite on the back and solve by completing the square.

$$x^2 - 6x + 8 = 0$$

- 2) Simplify the following: $(2x^2 - 3)(x + 8)$

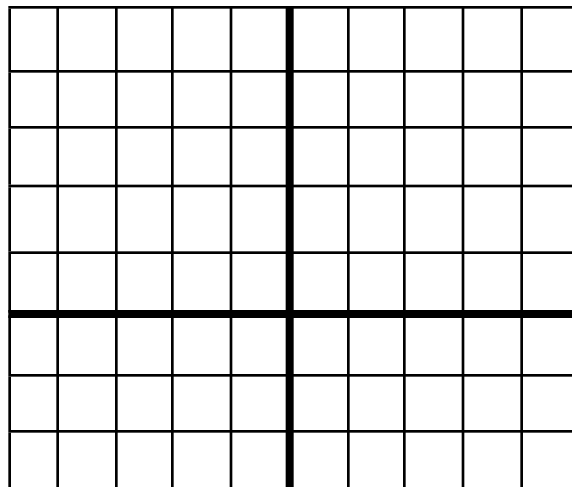
- 3) Solve by any method and check: $2x - 6(x + 8) = 12 - 2x$

- 4) Simplify the following as much as possible: $\sqrt{6}(\sqrt{8} - 3)$

- 5) Sketch a graph with the following points. Write an equation for the line with those points. Identify the slope.

x	y
-1	5
0	3
1	1
3	-3

Equation:



Can Factor: _____

Can complete the square: _____

Can do other algebra: _____