FM Algebra Name: _____

Review for Chapter 6 Quiz #2 Date: _____ Pd: ____

Solve and Check! Show all work/steps and circle your final answer.

1. $|a+6|=2$

2. $|2c+5|=21$

3. $2|x-3|+1=5$

4. $-3|2q+1|+5=-1$

5. $\frac{1}{2}|3x-4|+8=15$

6. $-4|y+1|-5=11$

Determine if either of the given points are solutions to the given inequalities. Show work/steps to justify your answers. Write ***Solution*** or ***Not a Solution*** for each point.

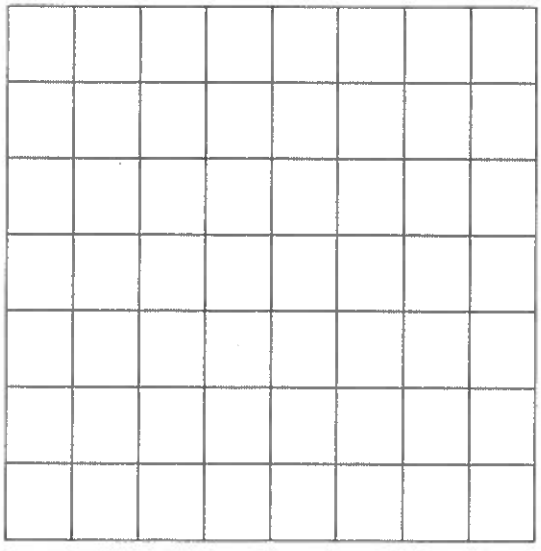
7. $y \leq -\frac{2}{3}x+5$ $(-3,4)$ _____ $(0,-1)$ _____

8. $y > 3x-9$ $(0,-9)$ _____ $(2,-4)$ _____

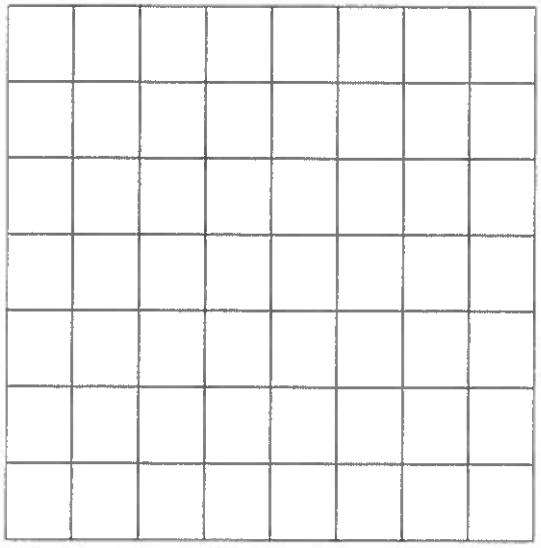
9. $3x-2y<-8$ $(-4,-3)$ _____ $(3,10)$ _____

Graph each inequality. Completely label your graph and include at least two points on the boundary line.

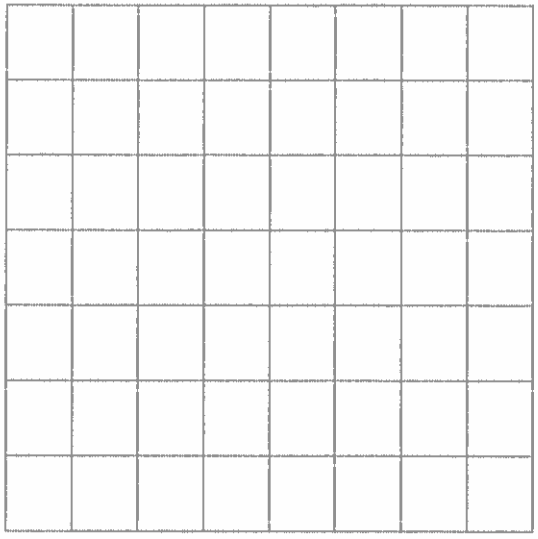
10. $y<2x-3$



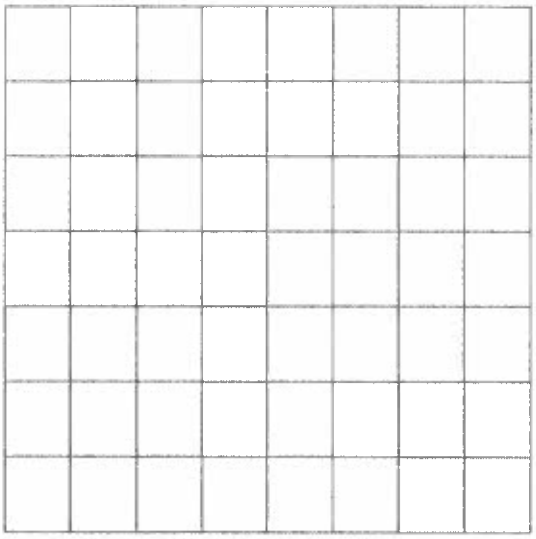
11. $y \geq -\frac{1}{2}x+1$



12. $2x - y \geq 6$

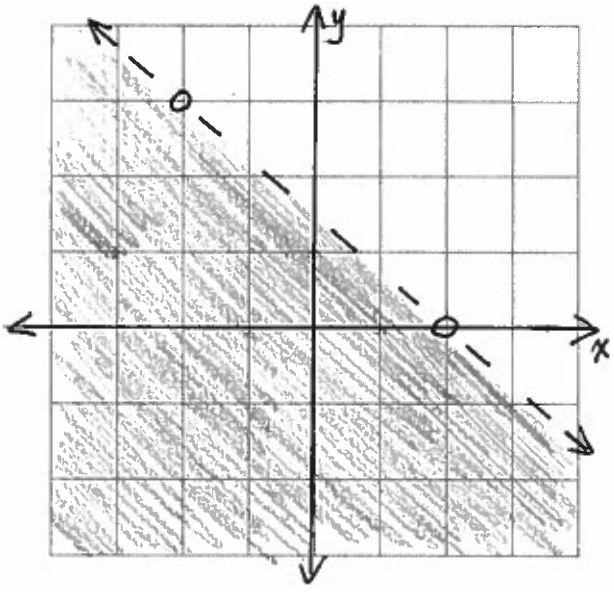


13. $-3x + 5y < 15$



Write an inequality for the given graphs.

14. _____



15. _____