

Write the Inequality from the Graph

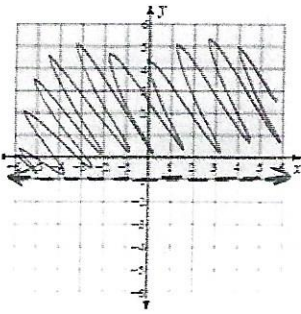
Name: Key

* $>, \geq$ Right / Above

* $<, \leq$ Left / Below

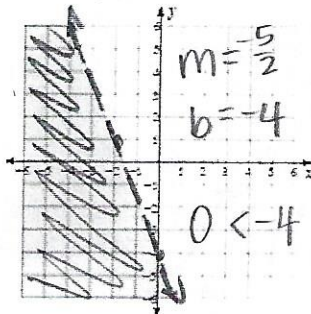
Write the inequality of the graph shown. Find your answer and color it according to the color indicated.

Green



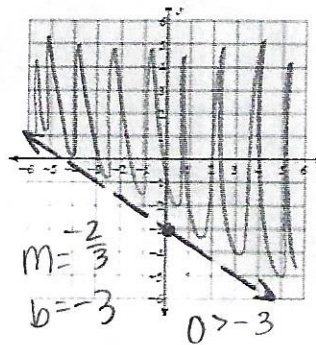
1. $y > -1$

Yellow



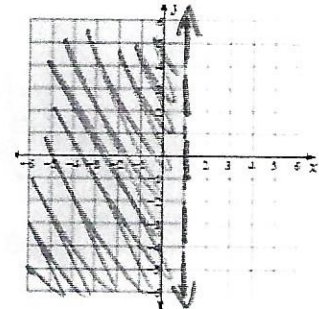
2. $y < -\frac{5}{2}x - 4$

Orange



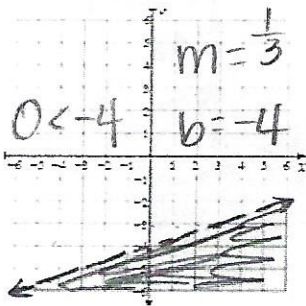
3. $y > -\frac{2}{3}x - 3$

Red



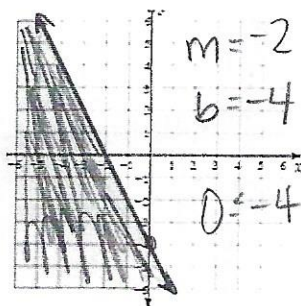
4. $x < 1$

Purple



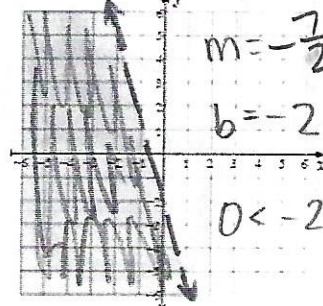
5. $y < \frac{1}{3}x - 4$

Blue



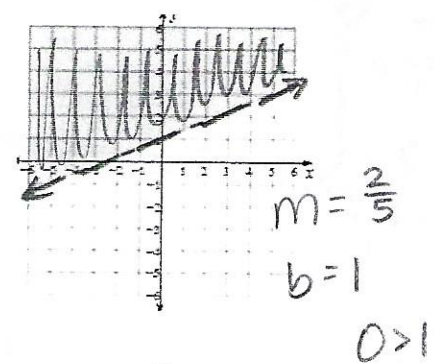
6. $y \leq -2x - 4$

Green



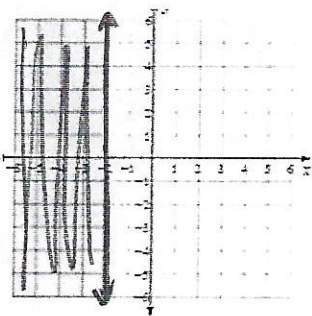
7. $y < -\frac{7}{2}x - 2$

Yellow



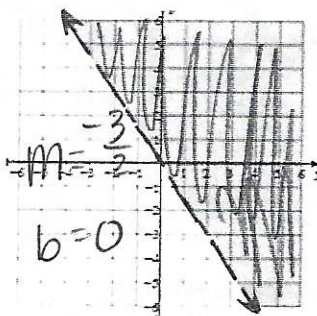
8. $y > \frac{2}{5}x + 1$

Orange



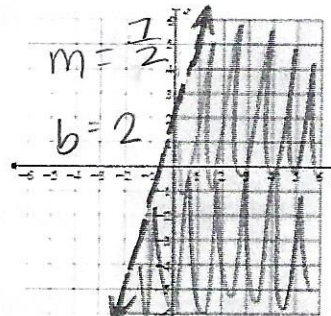
9. $x \leq -2$

Red



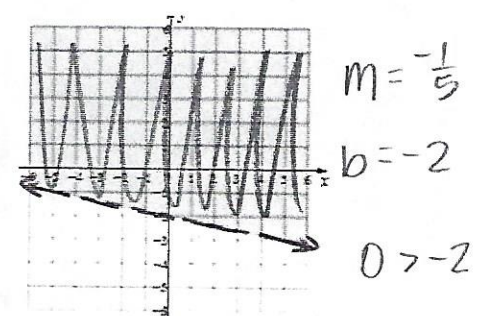
10. $y > -\frac{3}{2}x$
 $0 > \frac{3}{2}(1)$

Blue



11. $y < \frac{7}{2}x + 2$
 $0 < 2$

Purple



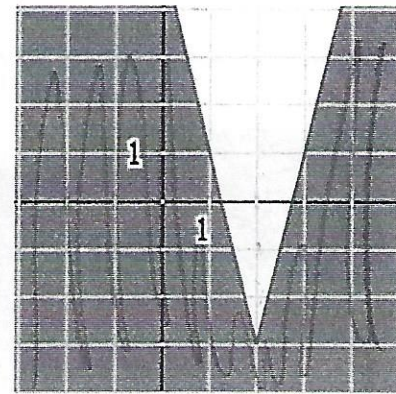
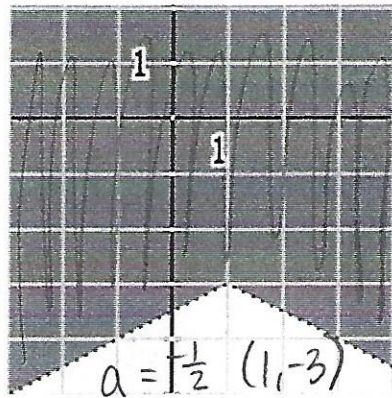
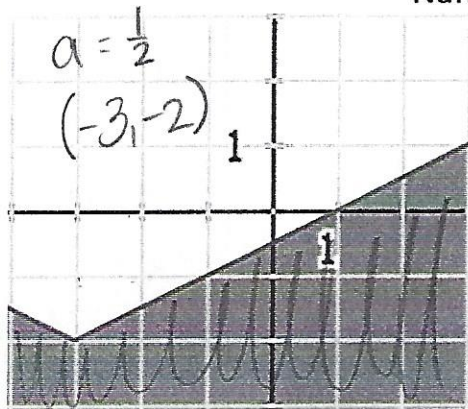
12. $y > -\frac{1}{5}x - 2$

Write the Inequality from the Graph

* $>, \geq$ Above

* $<, \leq$ Below

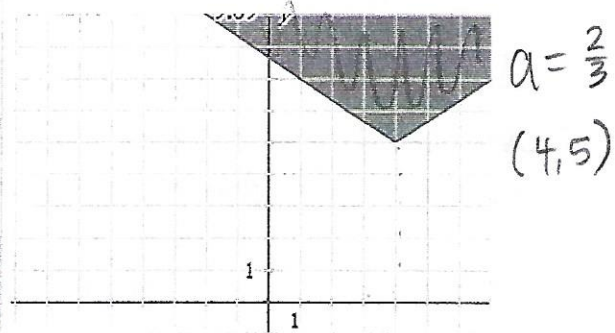
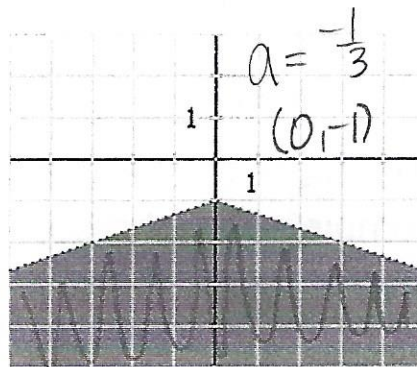
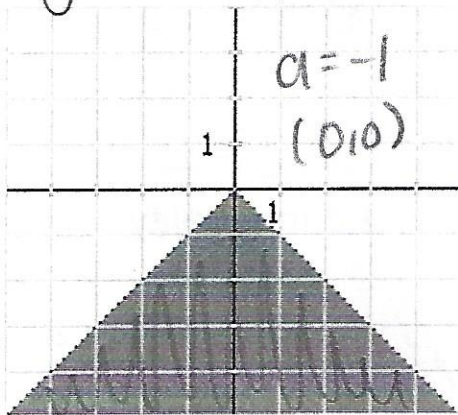
Name: _____



A. $y \leq \frac{1}{2}|x+3|-2$

B. $y > \frac{1}{2}|x-1|-3$

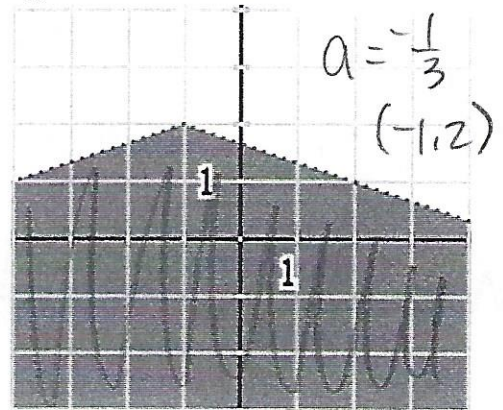
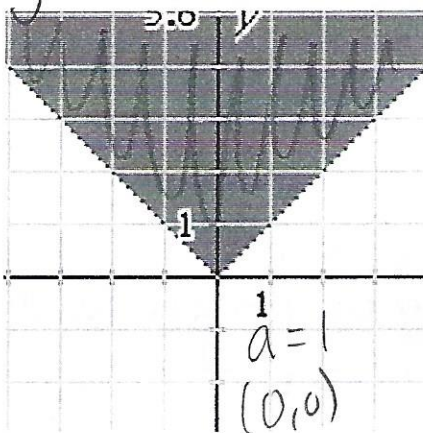
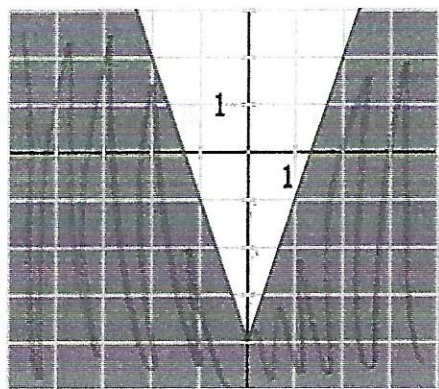
E. $y \leq 4|x-2|-3$



F. $y < -|x|$

G. $y < -\frac{1}{3}|x|-1$

H. $y \geq \frac{2}{3}|x-4|+5$



I. $y \leq 3|x|-4$

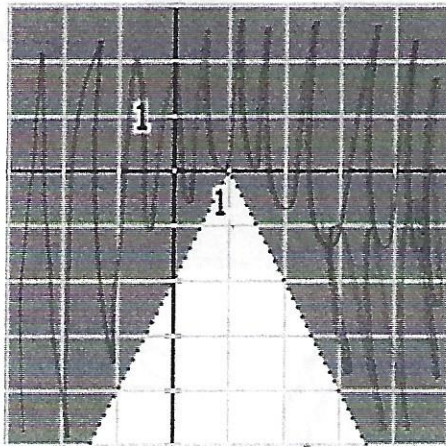
$a = 3$
 $(0, -4)$

N. $y > |x|$

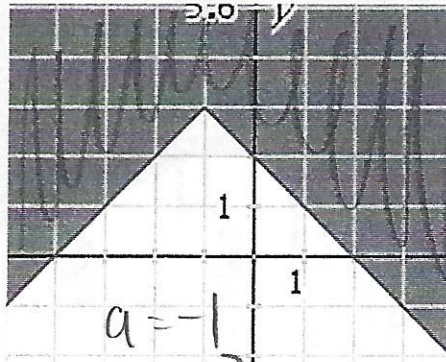
O. $y < -\frac{1}{3}|x+1|+2$

Write the Inequality from the Graph

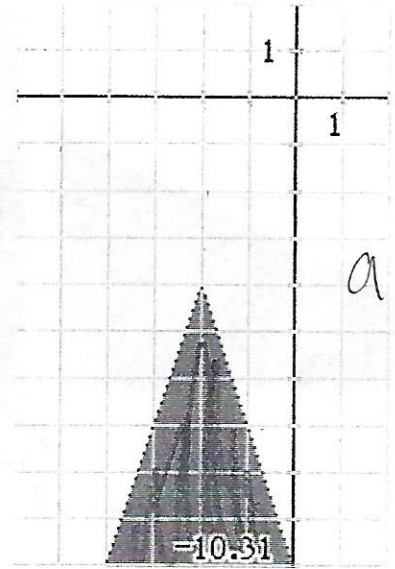
Name: _____



$a = -2$ (1,0)



$a = -1$
(-1, 3)



$a = -3$
(-2, -4)

P. $y > -2|x-1|$ R. $y \geq -|x+1|+3$ T. $y < -3|x+2|-4$

Now, match the letter of your inequality to the number of the Inequality below and fill in the boxes to complete the phrase.

1. $y > -\frac{1}{2}|x-1|-3$
B

2. $y > -2|x-1|$
P

3. $y < -|x|$
F

4. $y < -\frac{1}{3}|x|-1$
G

5. $y \geq \frac{2}{3}|x-4|+5$
H

6. $y \leq 3|x|-4$ 7. $y \geq -|x+1|+3$
I R

8. $y < -3|x+2|-4$
T

9. $y \leq \frac{1}{2}|x+3|-2$
A

10. $y > |x|$
N

11. $y < -\frac{1}{3}|x+1|+2$
O

12. $y \leq 4|x-2|-3$
E

What did the bug say to the spider?

I'm Caught...

6	10	8	5	12		12	1	11	3	4	7	9	2	5	6	10	4
I	N	T	H	E	W	E	B	O	F	G	R	A	P	H	I	N	G