

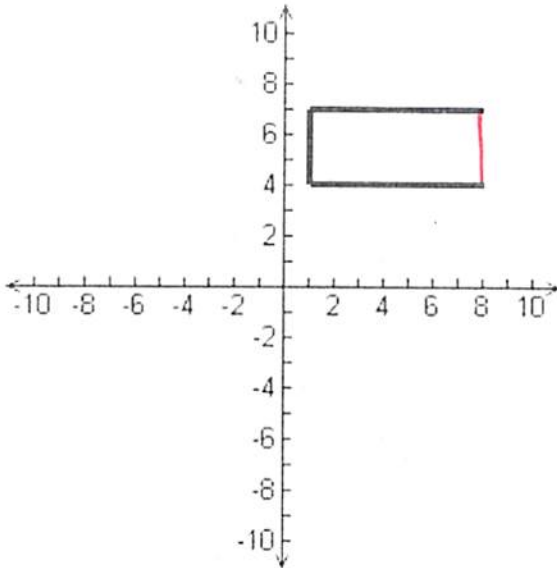
Key!

Geometry: Writing Equations Homework

Name: _____

Directions: Write the equations of the line(s) that will complete the parallelogram after finding the necessary slope.

1.



$$m = \underline{\text{undefined}}$$

$$x = 8$$

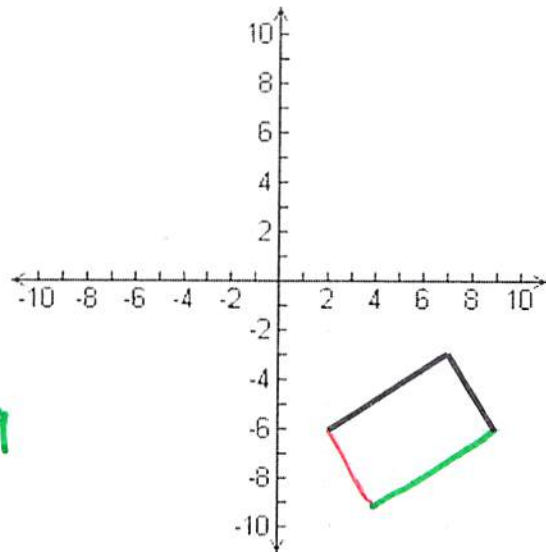
$$4 \leq y \leq 7$$

2. $m = \underline{-\frac{3}{2}}$

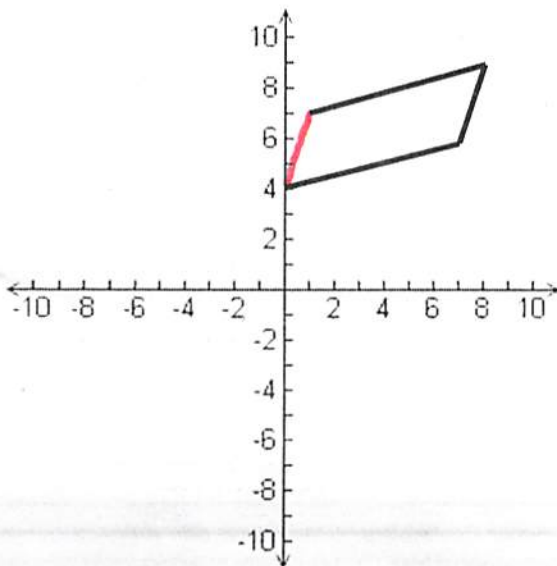
$m = \underline{\frac{3}{5}}$

$$y = -\frac{3}{2}x - 3 \quad 2 \leq x \leq 4$$

$$y = \frac{3}{5}x - \frac{57}{11} \quad 4 \leq x \leq 9$$



3.



$$m = \underline{3}$$

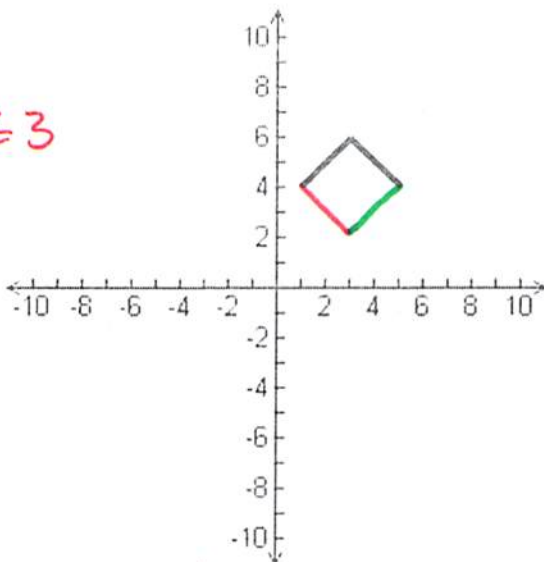
$$y = 3x + 4$$

$$0 \leq x \leq 1$$

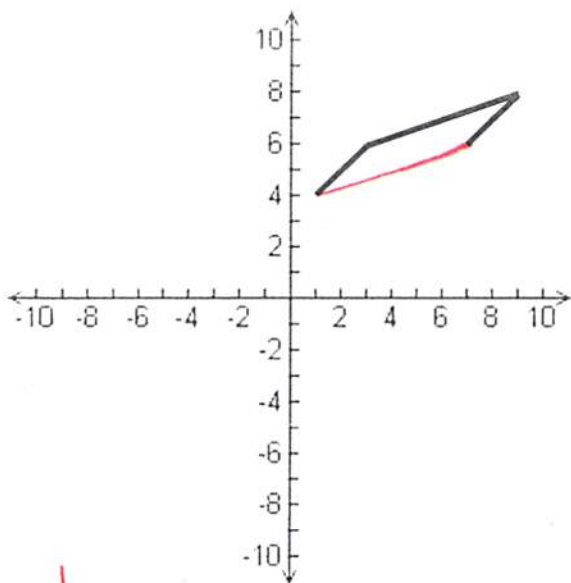
4. $m = \underline{-1, 1}$

$y = -x + 5 \quad 1 \leq x \leq 3$

$y = x - 1 \quad 3 \leq x \leq 5$



5.



$m = \underline{1/3}$

$y = \frac{1}{3}x + \frac{11}{3}$

6. $m = \underline{1/3, 1}$

$y = \frac{1}{3}x - \frac{19}{3}$

$y = x - 13$

