

la)merise
Then

b) undefined.

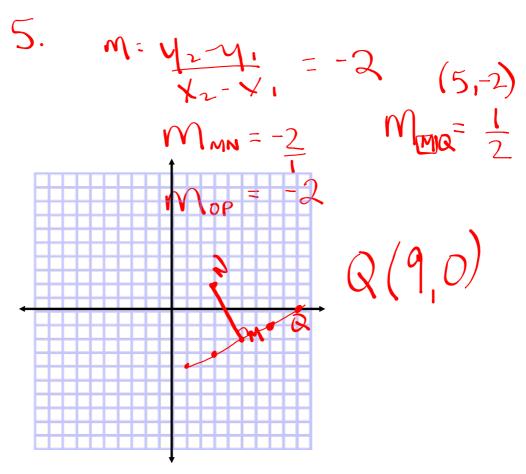
c) zero

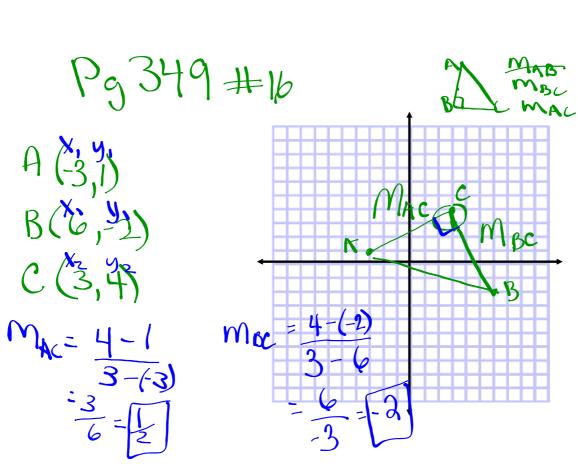
2.
$$m = y_2 - y_1$$
 $x_2 - x_1$

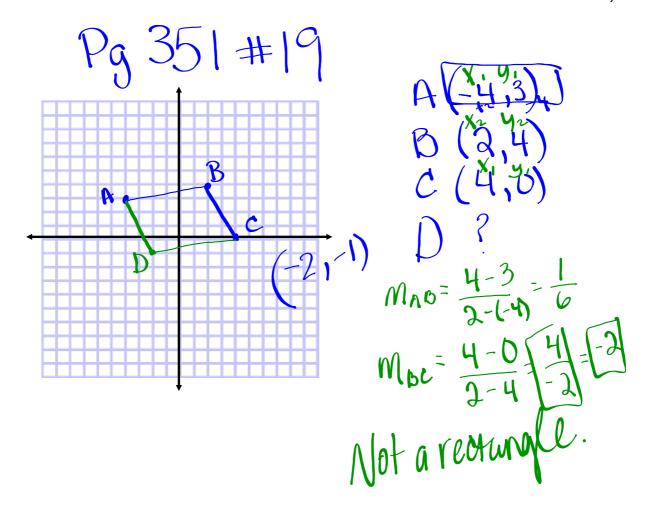
4. a)
$$M_{EF} = \frac{5 - (-1)}{-1 - (-4)}$$

$$= \frac{6}{3} = \frac{2}{4} \quad \text{perp}$$

$$M_{GH} = \frac{-1 - 1}{5 - 1} = \frac{-2}{4} = \frac{-1}{2}$$

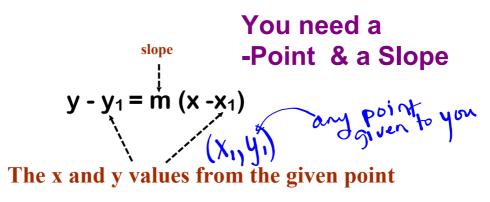






Point - Slope Form

You can also find the equation of a line if you are given a point and the slope of the line. In order to do this you use the formula:



This equation can be rearranged

Example 1: Find the equation of a line that passes through (-3,4) and has the same slope as y = 3x + 2.

Write what you know:

y = 3x + 13 Slope Intercept Form

Point slope form.docx