

Warm Up

Week 11

Find the slope between the two points.

$$1) (-7, 3), (-2, -3)$$

$(-7, 3)$

$$m = \frac{-3 - 3}{-2 - (-7)} = \frac{-6}{5}$$

$$2) \left(\frac{5}{3}, \frac{-7}{2}\right), \left(\frac{-1}{3}, \frac{-17}{2}\right)$$

$(\frac{5}{3}, \frac{-7}{2})$

$$m = \frac{\frac{-17}{2} - \frac{-7}{2}}{\frac{-1}{3} - \frac{5}{3}} = \frac{\frac{-10}{2}}{\frac{-6}{3}} = \frac{-5}{-2}$$

$m = \frac{5}{2}$

Homework Questions?

$$10) \left(\frac{3}{4}, \frac{3}{2}\right), \left(\frac{11}{4}, \frac{5}{2}\right)$$

$(\frac{3}{4}, \frac{3}{2})$

$$m = \frac{\frac{5}{2} - \frac{3}{2}}{\frac{11}{4} - \frac{3}{4}} = \frac{\frac{2}{2}}{\frac{8}{4}} = \frac{1}{2}$$

$$\begin{array}{l} \downarrow \\ (9, 4) \\ (7, 3) \end{array}$$

$$m = \frac{4-3}{9-7} = \left(\frac{1}{2}\right)$$

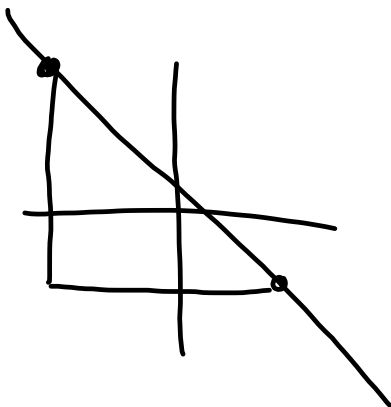
$$\begin{array}{l} \downarrow \\ (4, -1) \\ (-2, 2) \end{array}$$

$$m = \frac{-1-2}{4+2} = \frac{-3}{6} = \left(-\frac{1}{2}\right)$$

$$\begin{array}{c} \downarrow \\ (-2, -3) \\ (13, 7) \end{array}$$

$$m = \frac{-3-7}{-2-13} = \frac{-10}{-15} = \frac{2}{3}$$

1)



On the top of your paper (by your name) rate yourself for this section:

4 - I can summarize the concepts and explain it to others

3 - I can apply the concept to answer questions correctly

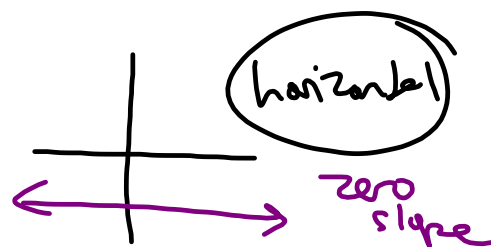
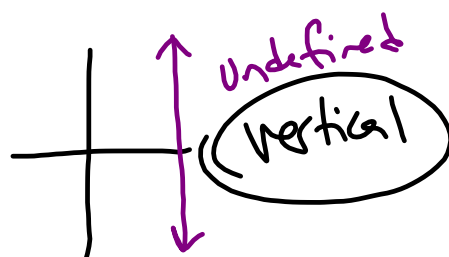
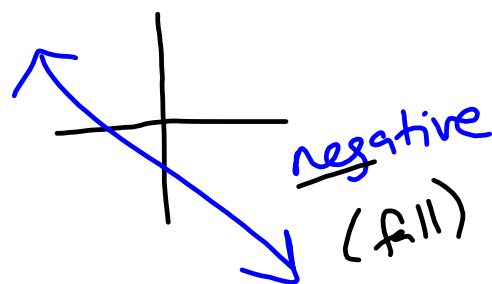
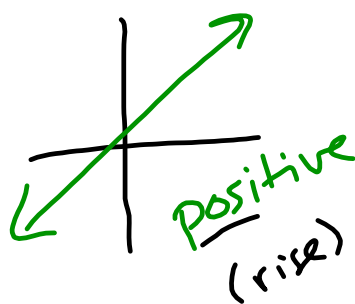
2 - I can apply the concepts but with some mistakes

1 - I need help and know how to apply the concept

0 - I can't apply the concept, even with help

Rating of 0-2 is a warning signal to me that you need help

Types of Slope



$$m = \frac{5}{2} \text{ (pos)}$$
$$m = -\frac{2}{3} \text{ (neg)}$$
$$m = \frac{0}{-2}$$
$$m = 0 \text{ (zero slope)}$$
$$m = \frac{-3}{0} \text{ (undefined vertical)}$$
$$\text{(horizontal)}$$

Slope Quiz Tomorrow

Homework

* Partner wkst
→ when Done Staple
together & turn in

* HW - Finish wkst #1-14