

Warm Up Find the Slope

$$(3, -5), (-7, -1)$$

$$m = \frac{-5 - (-1)}{3 - (-7)} = \frac{-5 + 1}{3 + 7} = \frac{-4}{10} = \frac{-2}{5}$$

Solve for y.

$$(-2, 5), (0, y), m = 3$$

$$m = \frac{5 - y}{-2 - 0}$$

$$3 = \frac{5 - y}{-2}$$

$$3(-2) = 1(5 - y)$$

$$-6 = 5 - y$$

$$-11 = -y$$

$$y = 11$$

Homework Questions?

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

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

$$m = \frac{1}{2}$$

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

Do on p.14 of your noteguide

$$(7, -3), (5, y) \quad m = \frac{4}{3}$$

$(5, y)$

$$m = \frac{-3-y}{7-5}$$

$$\frac{4}{3} = \frac{-3-y}{2}$$

$$4(2) = 3(-3-y)$$

$$8 = -9 - 3y$$

$$\frac{17}{-3} = \frac{-3y}{-3}$$

$$y = -\frac{17}{3}$$

Slope Quiz

*When you are done, work on today's homework.

*Needs to be **SILENT**

*Raise your hand and I will Pick Up your Quiz

(12-34 on Graph Paper)

4.4 p.230 #12-46even

& p.233 #84-94even

