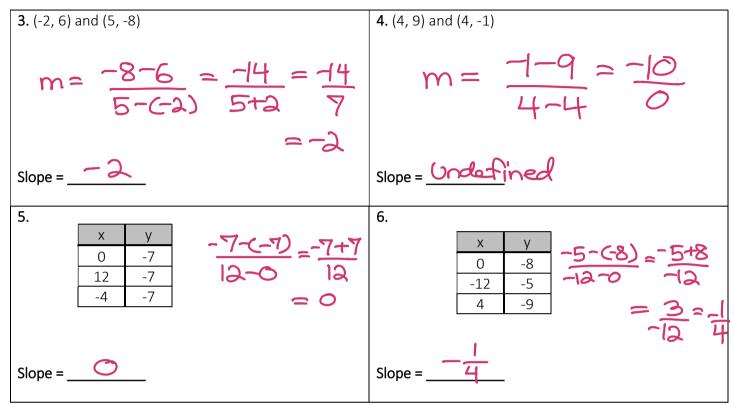


Module 2 Topic 2 - Lessons 3-6 Review

a. What are the Independent and Dependent Variables? (2 pts) Independent variable (x) - # of hours Dependent variable (y) - distance (mks) b. Complete the table and list the two ordered pairs. (2 pts) # of hours distance (m 0 0 0 3.5 49 Two ordered pairs: (0,0) (3.5,49 c. Calculate the slope and explain what it means in the context of this prote $m = \frac{49-0}{3.5-0} = \frac{49}{3.5} = \frac{14}{1}$ miles Slope = <u>14</u> What does it mean? <u>Geoff rides 14 miles</u> xi charges a pick-up fee of \$2.75 before going any distance. Marie paid \$9 foost per mile? a. List the two ordered pairs. (2 pts) Two ordered pairs: (0, 2.75) (5,9) b. Calculate the slope and explain what it means in the context of this prote $m = \frac{9-2.75}{5-0} \approx 5.25$	
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Slope = What does it mean? The taxi charges	
What does it mean? The taxi charges	
	\$1.25 per mile
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c. What is the y-intercept and what does it mean in the context of this pro The y-intercept of 2.75 means \$2.75 Fee.	olem? (2 pts)

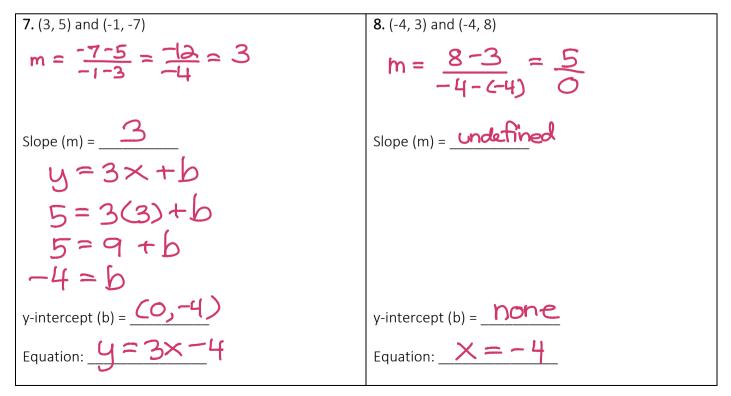
## Essential Standard: I can find the slope from two points and a table.

3-6. Find the slope for the following questions. (2 pts each)



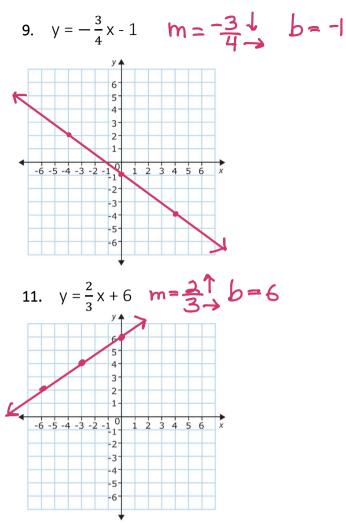
## Essential Standard: I can find write linear equations in slope-intercept form.

7-8. Write the slope-intercept form for the line passing through the given points. (4 pts each)

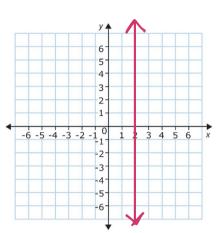


## Essential Standard: I can graph equations written in slope-intercept form.

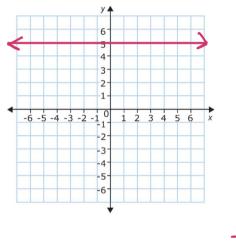
9-12. Graph the following linear equations. (2 pts each)



**10.** x = -2







**13.** Charlotte and Tanner are filling up their community pool for swimming. The pool already has **3 feet** of water and the filling rate is **3 feet for every 2 hour**. Write an equation for this situation and graph the equation.

