### Agenda:

Topic 2-4 (part 1)



> a calculator

> pencil



#### Housekeeping:

1. Topic 1 retake deadline: 10-6 (next Friday)

## Assignments this unit:

- > MathXL 2-1 (past due)
- > yellow WS (late- try ASAP)
- > green WS (late- try ASAP)



Pilar and Jake begin climbing to the top of a 100-ft monument at the same time along two different sets of steps at the same rate. The tables show their distances above ground level after a number of steps.

							1-1					
<u>Pilar</u>							<u>Jake</u>					
X steps	1	  3	_   17	25		X	steps	1	7	15	29	
y height (ft)	2	3	10	14	-	У	height (ft)	5	8	12	19	
	,	heig	nt	Jal	Jas	•						
			1	9	24PS		<b>\</b>					

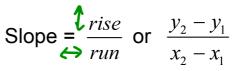
- **A.** How many feet does each student climb after 10 steps? Explain.
- **B.** Will Pilar and Jake be at the same height after the same number of steps? Explain.

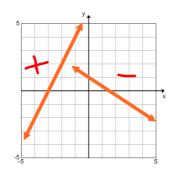
What was the intention behind the warm up?

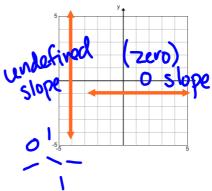
height zzelasz

#### 2-4: Slopes of Parallel and Perpendicular Lines

#### Review of slopes:

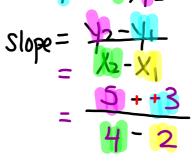






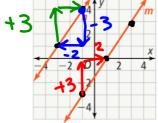
Slope = 
$$\frac{rise}{run}$$
 or  $\frac{y_2 - y_1}{x_2 - x_1}$ 

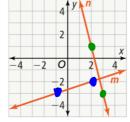
#### Find the slope of the line through the points given.



 $=\frac{8}{2}$   $\Rightarrow$   $\boxed{H}$ 

# Find the slope of each line.





Slope of n:  $\frac{3}{2}$  =  $\frac{3}{2}$ 

Slope of m: 3

slope of 
$$m: \frac{1}{3}$$

# Work on the 2-4 Slope Review Worksheet

(due Tuesday)