Algebra 2

0-04 Find Slope and Write Equations of Lines

Slope	
<i>Slope</i> =	
$y_2 - y_1$	(x_2, y_2)
$m = \frac{y_2 - y_1}{x_2 - x_1}$	(*2; 92)
Slope is the	
	(x_1, y_1) rise
Types of Slope	run
Positive Slope:	~
Zero Slope:	
Negative Slope:	
No Slope (Undefined):	
There's <u>No Slope</u> to stand on.	
Find the slope of the line passing through the given points. Classify as <i>rises, fal</i>	ls, horizontal, or vertical.
(7, 3), (-1, 7) (7, 1), (7, -1)	
Parallel Lines	
 Parallel Lines In the same plane and do not 	
In the same plane and do not	
 In the same plane and do not Go thedirection 	
 In the same plane and do not Go the direction Slopes are the 	
 In the same plane and do not Go thedirection 	
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- Given _____ and _____
- 1. Use slope-intercept form _____
- Any other line
- 1. Find the _____(*m*)
- 2. Find a _____ the line goes through (x_1, y_1)
- 3. Use point-slope form _____

Write the equation of the line that passes through (-1, 6) and has a slope of 4.

Write the equation of the line that passes through (-1, 2) and (10, 0)

In a chemistry experiment, you record the temperature to be -5 °F one minute after you begin. Six minutes after you begin the temperature is 20 °F. Write a linear equation to model this.