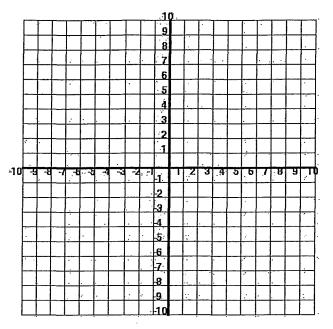
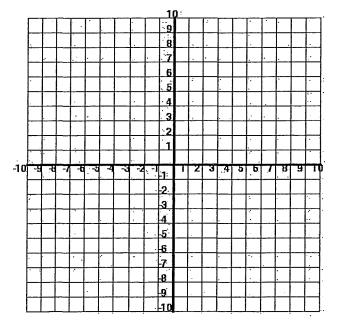
5.5: Slopes of Special Lines and Equations of Lines

- 1. Graph the following points and calculate the slope.
- a) E(3, 3) F(3, 8)



b) G(-6, -4) H(8, -4)



c) A(-5, 6) B(-5, -2)

d) C(5,-3) D(-4,-3)

is the equation of a line in		form	
"m" represents			
"b" represents			
How do you find <i>m</i> and <i>b</i> ?			
1) bis			
2) Calculate slope using			
3) Once you have the two components,			
4) x-intercept is where the line crosses the	To fi	To find this, we set	

Interpreting the Slope Y-Intercept Form of a Line

Fill in the chart below:

$$y = mx + b$$

	EQUATION	SLOPE	Y-INTERCEPT	DIRECTION
1.	y = 6x + 13			
2.	y = -4x + 9			
3.	y = -7x - 5			
4.	y = x - 2			
5.	$y = \frac{3}{2}x + 10$		·	
6.	$y = \frac{4}{5}x - 7$			
7.	$y = -x + \frac{9}{4}$			·
8.	y = 8.3x			
9.	$y = \frac{5x}{11} - 3.7$			
10.	y = 11			,
11.	$y = 6 - \frac{x}{7}$			
12.	$\dot{y} = -8 + \frac{2x}{3}$			

