Handout 1.2: Linear Functions and Slope-Intercept Form

Name:	Date:	Per:	
Find the slope of the line through each pair of points.			
1) (-3, -2) and (1, 6)	2) $\left(\frac{1}{2}, \frac{2}{3}\right)$ and	$d\left(\frac{3}{2},\frac{5}{3}\right)$	
Find the slope and y-intercept of each line.			
3) <i>y</i> = −2	4) $x = 5$		
5) $3x - 4y = 12$	6)	7) $f(x) = \frac{5}{4}x + 7$	
8) A) The equation <i>e</i> = 1200 + hike from a trail head. What d	11 <i>t</i> represents your elevation, a oes the slope represent in this s	e, in feet for each minute <i>t</i> you ituation? Explain.	
B) Are you hiking uphill or d	ownhill? Explain.		
9) What is the slope of a vertical	line? Explain.		



19) Passes through (0,10) and perpendicular to $2x - 3y = -3$	20) Passes through (-6, -6), parallel to $y = \frac{4}{3}x + 8$
21) Passes through (4, 2), perpendicular to $y = -2x + 3$	22) Passes through $(-7, 5)$ and parallel to $y = 7$
23) Perpendicular to $y = -\frac{1}{2}x + 7$ with a y-intercept of -3 .	24) Pass through $(2, -5)$ and perpendicular to $y = 5$