Geometry

3.5A Equations of Parallel and Perpendicular Lines

Partitioning a Directed Line Segment	↓ <i>Y</i>
Segment from to 1. Want the of to to be something like 3 to 2 2. That means there are pieces 3. Point is of the way from 4. Find the and 5. Multiply the and by the fraction and add to point 6. The is the coordinates of Find the coordinates of point <i>F</i> along the directed line segment <i>CD</i> so that the ratio of <i>CF</i> to <i>FD</i> is 3 to 5.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Slope (x _z y _z)	-4 -4 D(8, -3)
Slope = rise	
Slope Types	•
Positive Slope	0
Slopes of Parallel LinesIn a coordinate plane, 2 lines are if they have the same slope.And, any 2 lines areExample of slopes: $m_1 = 2; m_2 = 2$	
Slopes of Perpendicular LinesIn a plane, 2 nonvertical lines are if the products of the produ	heir slopes are -1.

Assignment: 154 #1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 53, 54, 57 = 13 total