## Slope It Two Ways

Find the slope of the two points both graphically and by using the slope formula  $\frac{y_2-y_1}{x_2-x_1}$ 

Graphically	TWO POINTS	Slope Formula
5 4 -3 -2 -1 1 2 3 4 5 -2 -2 -3 -4 -4 -5 -5 -4 -3 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	A = (2, 4) B = (3, 2)	
5 4 4 4 4 4 5 4 5 4 5 6 6 6 6 6 6 6 6 6	C = (-2, 0) D = (0, 4)	
5 4 4 3 -2 -1 -1 2 3 4 5 -2 -3 -3 -4 -5 -5 -4 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	E = (-1, -3) F = (2, 3)	
5 4 4 3 3 2 2 1 1 -5 -4 -3 -2 -1 -1 2 3 4 5 -2 -3 -4 -5 -4 -3 -2 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1 -1	<i>G</i> = (5, -4) H = (-3, 0)	
5 -4 -3 -2 -1 -1 2 3 4 5 -2 -3 -4 -5 -5	I = (-4, 2) J = (2, 2)	

5 4 3 2 1 5 -4 -3 -2 -1 -1 2 3 4 5 -2 -3 -4 -5	K = (-3, 4) L = (5, 0)	
5 4 3 3 2 1 1 2 3 4 5 4 5 4 5 4 5 4 5 6 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9	M = (2, 5) N = (-4, -5)	
15 4 3 2 11 -5 -4 -3 -2 -1 -1 2 3 4 5 -2 -3 -4 -5	O = (-2, 4) P = (-2, -1)	
5	Q = (-4, -4) R = (3, 3)	
Where any of the slopes undefined	S = (-5, 3) T = (-1, -4)	y could you tell araphically that the

Where any of the slopes undefined? What were the two points? How could you tell graphically that the slope was undefined? How could you tell algebraically that the slope was undefined?