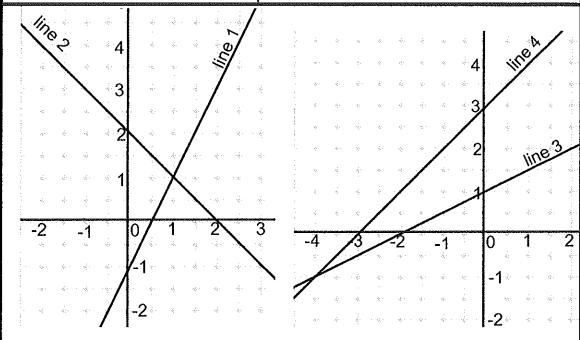
Mini Murder Mystery Straight line graphs

One of the following 6 people has murdered one of the others. Each has made 4 statements about these 2 graphs. The murderer has made 3 errors, the victim made 0 errors.

The other suspects made 1 or 2 errors



Claire says

- Line 1 is steeper than line 3
- Slope of line 3 is 0.5
- (1,0) is on line 3
- (2,3) is on line 1

Duncan says

- · Lines 1 & 2 are perpendicular
- The slope of line 4 is 3
- (0, -1) is on line 1
- · Line 3 is steeper than line 4



Ashley says

- · Slope of line 3 is 2
- (0.5, 0) is on line 1
- (4,-2) is on line 2
- Line 4 would be parallel to y = x

Jack says

- The slope of line 2 is -1
- The slope of line 3 is 2
- (2,5) is on line 4
- (0,2) and (2,0) are both on line 2





Josh says

- Slope of line 1 is 2
- (-2,1) is on line 4
- (0,-3) is on line 4
- (-1,-4) is on lines 3 & 4



Lucy says

- The slope of line 4 is 1
- The slope of line 2 is -1
- The y intercept of Line 3 is 1
- (4,3) would be on line 3



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- It is on the line y = 2x 5
- The y coordinate is less than the x coordinate
- The sum of the coordinates is 8.5

Why? Solve the puzzle below to find out!

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Slope of $y = 2x-1$	Slope of	Slope of y = 5x+6	Slope of y = 3x+1	Slope of
	y = -9-4x			$y = 5 - \frac{1}{4}x$
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y = -1.2x-1	$y = 10 - \frac{5}{2}x$	y = -2x+3	y = 0.5x+6	y =-12x+3

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Slope of y = -x+8	Slope of y = 8x-6	Slope of $y = \frac{3}{2}x$	Slope of y = 10x	Slope of y = 2.5x+3	
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