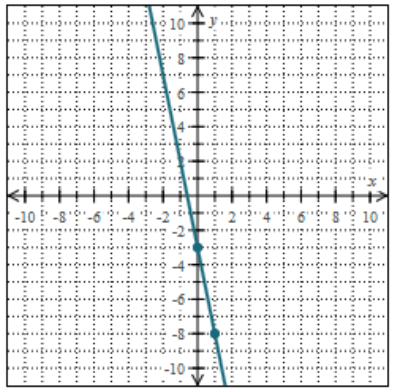
LEARNING PAPER EVIDENCE

COMPARING PROPERTIES OF LINEAR FUNCTIONS GIVEN IN DIFFERENT FORMS

Four different linear functions are represented below.

Function 1



Function 2

x	y
-2	10
-1	7
0	4
1	1
2	-2

Function 3

$y = 4x + 1$

Function 4

The slope is 1 and the y-intercept is -5.

Answer the following questions.

(a) Which functions have graphs with slopes less than 2? (Check all that apply.)

☐ Function 1 ☐ Function 2 ☐ Function 3 ☐ Function 4

(b) Which function has the graph with a y-intercept closest to 0?

○ Function 1 ○ Function 2 ○ Function 3 ○ Function 4

(c) Which function has the graph with the greatest y-intercept?

○ Function 1 ○ Function 2 ○ Function 3 ○ Function 4

(1) ELO PAPER EVIDENCE

FUNCTION	SLOPE (m)	y-INT. b =
1: GRAPH	$\frac{-8-(-3)}{1-0} = \frac{-5}{1} = -5$	(0, −3), so b = −3
2: TABLE	$\frac{4-7}{0-(-1)} = \frac{-3}{1} = -3$	(0, 4), so b = 4
3: $y = 4x+1$	m = 4	b = 1
4: WORDS	m = 1	b = −5

(a) FCN. 1, 2, 4

(b) FCN. 3

(c) FCN. 2

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