

Comparing Linear Functions

Fill in the table and answer the following questions.

1) **Function A**

x	5	6	7
y	8	16	24

Function B

$$f(x) = 9x - \frac{1}{3}$$

Function	Slope	x-intercept	y-intercept
A			
B			

- i) Which function has a greater slope? _____
- ii) Which function has a greater y-intercept? _____
- iii) Which function has a greater x-intercept? _____

2) **Function A**

$$f(x) = -7x + 15$$

- i) Which function has a greater slope? _____
- ii) Which function has a greater y-intercept? _____
- iii) Which function has a greater x-intercept? _____

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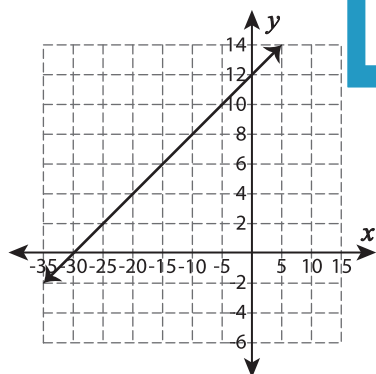
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Function	Slope	x-intercept	y-intercept
A			
B			

3) **Function A**



x	-5	-3	-1
y	0	10	20

Function	Slope	x-intercept	y-intercept
A			
B			

- i) Which function has a lesser slope? _____
- ii) Which function has a lesser y-intercept? _____
- iii) Which function has a greater x-intercept? _____