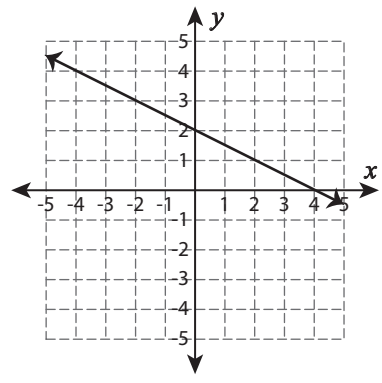


Comparing Linear Functions

Fill in the table and answer the following questions.

1) **Function A**



Function B

x	-1	0	1
y	-15	-10	-5

Function	Slope	x-intercept	y-intercept
A			
B			

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

2) **Function A**

x	-4	-2	0
y	8	12	16

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

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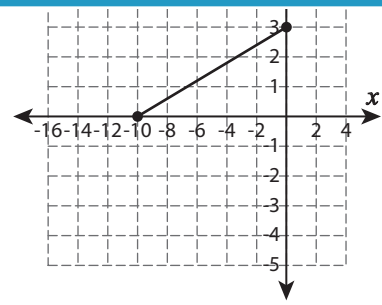
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3) **Function A**

$f(x) = 3x + 12$



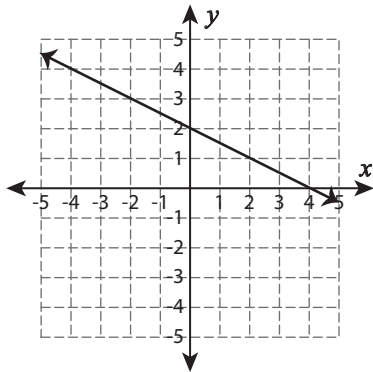
- i) Which function has a lesser x-intercept? _____
- ii) Which function has a greater y-intercept? _____
- iii) Which function has a lesser slope? _____

Function	Slope	x-intercept	y-intercept
A			
B			

Comparing Linear Functions

Fill in the table and answer the following questions.

1) **Function A**



Function B

x	-1	0	1
y	-15	-10	-5

Function	Slope	x-intercept	y-intercept
A	$-\frac{1}{2}$	4	2
B	5	2	-10

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

Function B

Function A

Function B

2) **Function A**

x	-4	-2	0
y	8	12	16

PREVIEW

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Function	Slope	x-intercept	y-intercept
A	3	-8	16
B	$\frac{35}{2}$	$\frac{35}{2}$	-7

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

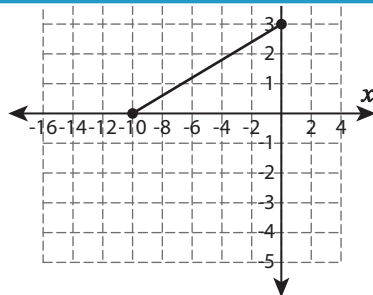
Function A

Function A

Function A

3) **Function A**

$f(x) = 3x + 12$



Function	Slope	x-intercept	y-intercept
A	3	-4	12
B	$\frac{3}{10}$	-10	3

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

Function B

Function A

Function B