

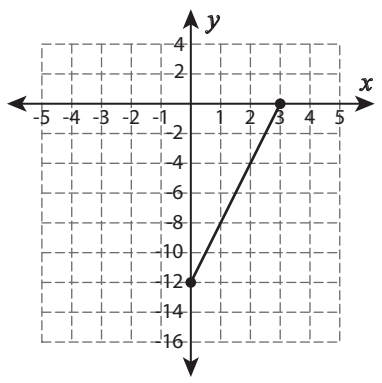
Comparing Linear Functions

Fill in the table and answer the following questions.

1) **Function A**

| | | | |
|----------|-----|-----|-----|
| x | -9 | -6 | -3 |
| y | -20 | -18 | -16 |

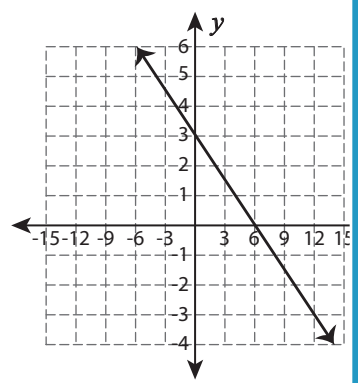
Function B



| Function | Slope | x-intercept | y-intercept |
|----------|-------|-------------|-------------|
| A | | | |
| B | | | |

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

2) **Function A**



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

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3) **Function A**

$f(x) = 10x - 11$

| | | | |
|----------|----|---|---|
| x | -5 | 0 | 5 |
| y | 4 | 5 | 6 |

| Function | Slope | x-intercept | y-intercept |
|----------|-------|-------------|-------------|
| A | | | |
| B | | | |

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

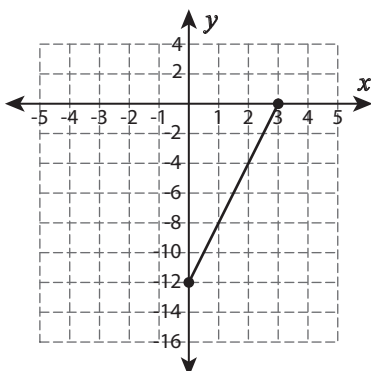
Comparing Linear Functions

Fill in the table and answer the following questions.

1) **Function A**

| | | | |
|-----|-----|-----|-----|
| x | -9 | -6 | -3 |
| y | -20 | -18 | -16 |

Function B



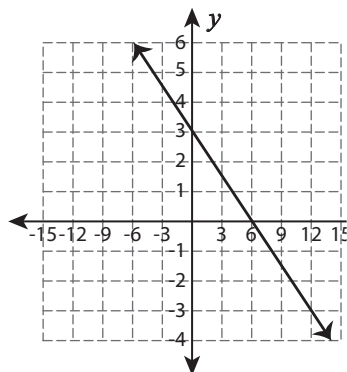
| Function | Slope | x-intercept | y-intercept |
|----------|---------------|-------------|-------------|
| A | $\frac{2}{3}$ | 21 | -14 |
| B | 4 | 3 | -12 |

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

Function B

Function A

2) **Function A**



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

Function B

Function A

| Function | x-intercept | y-intercept |
|----------|-----------------|-------------|
| A | 6 | 3 |
| B | $-\frac{52}{5}$ | -13 |

Function A

Function B

3) **Function A**

$f(x) = 10x - 11$

| | | | |
|-----|----|---|---|
| x | -5 | 0 | 5 |
| y | 4 | 5 | 6 |

| Function | Slope | x-intercept | y-intercept |
|----------|---------------|-----------------|-------------|
| A | 10 | $\frac{11}{10}$ | -11 |
| B | $\frac{1}{5}$ | -25 | 5 |

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

Function B

Function A

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