

Do Now

Find the x & y intercepts of the following equation:

$$-18 = -6y + 3x$$

$x\text{-int } (y=0)$	$y\text{-int } (x=0)$
$-18 = -6y + 3x$	$-18 = -6y + 3x$
$-18 = -6(0) + 3x$	$-18 = -6y + 3(0)$
$\frac{-18}{3} = \frac{3x}{3}$	$\frac{-18}{6} = \frac{-6y}{6}$
$-6 = x$	$3 = y$
$x\text{-int} = (-6, 0)$	$y\text{-int} = (0, 3)$

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Homework Answers

1) x-intercept = $(-12, 0)$
y-intercept = $(0, -8)$

2) x-intercept = $(6, 0)$
y-intercept = $(0, -4)$

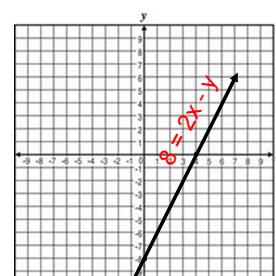
3) x-intercept = $(6, 0)$
y-intercept = $(0, 6)$

4) x-intercept = $(\frac{1}{4}, 0)$, $(-2.5, 0)$
y-intercept = $(0, -\frac{1}{3})$

5) x-intercept = $(8, 0)$
y-intercept = $(0, 5)$

6) x-intercept = $(4, 0)$

y-intercept = $(0, -8)$



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Topics on Quiz Tomorrow

① Vertical Line Test

1) Identifying Functions • 2) Mapping Diagram

$$f(x) = y$$

- Domain = all x values
- Range = all y values

2) Graphing From a Table

3) Graphing From a Table with Fractions $\frac{1}{3}$

4) Horizontal and Vertical Lines

$$y=2$$

$$x=5$$

5) Identifying x and y intercepts

6) Finding x and y intercepts algebraically

$$\begin{array}{l} \text{Set } y=0 \\ \text{Set } x=0 \end{array}$$

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