

Algebra 1 Semester 1

Lesson: April 8th

Learning Target:

Students will graph a line given Slope-Intercept Form.

Let's Get Started:

Watch Video:

[Graph Lines - Video 1](#)

[Graph Lines - Video 2](#)

BELL WORK

Solve for y.

1) $2x + y = 5$

2) $-4x - 2y = 8$

3) $3x - 6y = 12$

Answers for Bell Work

Solve for y .

$$1) 2x + y = 5$$

$$y = -2x + 5$$

$$2) -4x - 2y = 8$$

$$y = -2x - 4$$

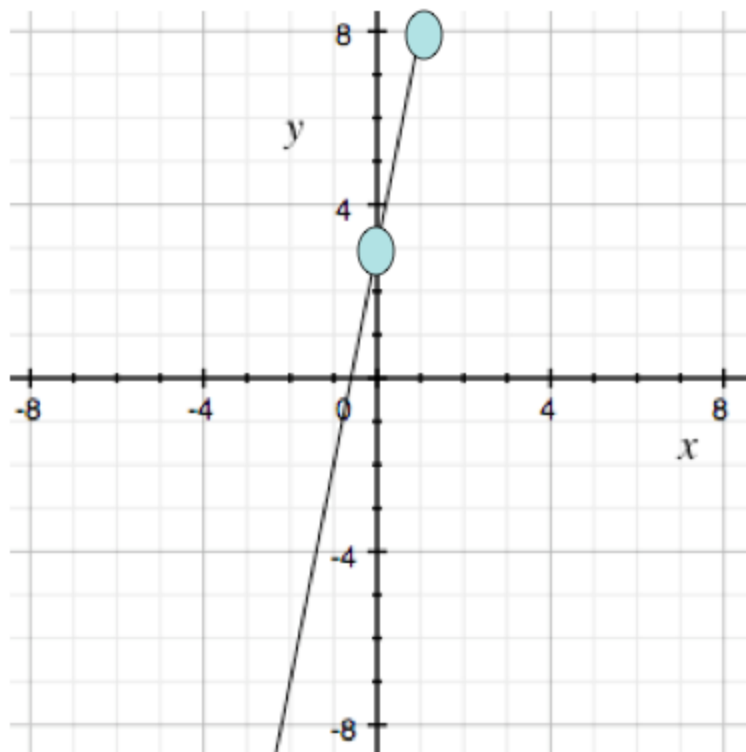
$$3) 3x - 6y = 12$$

$$y = \frac{1}{2}x - 2$$

Example $y = 5x + 3$

slope = 5

y-intercept = 3

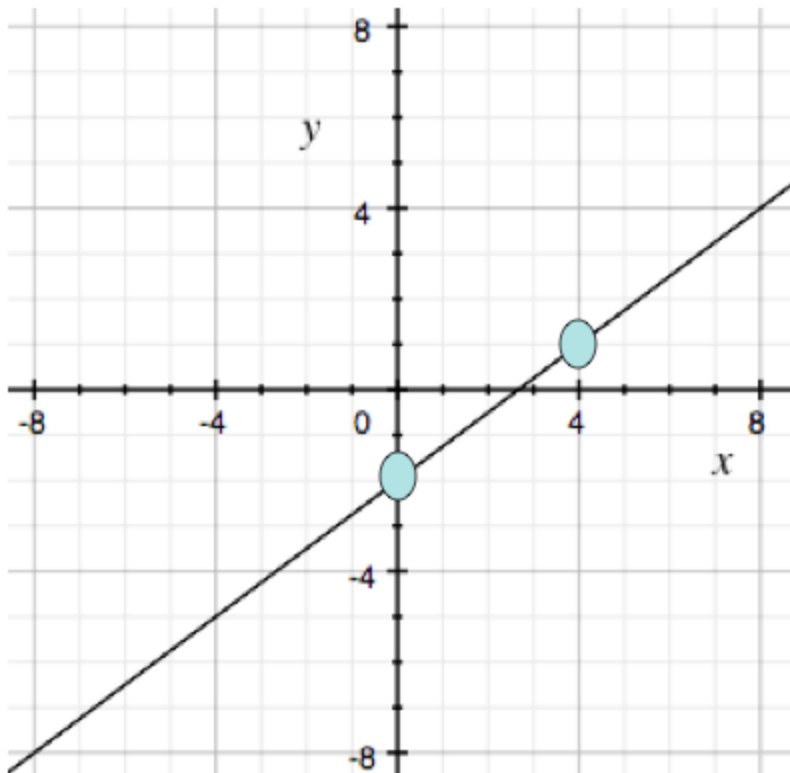


Example

$$y = \frac{3}{4}x - 2$$

slope = $\frac{3}{4}$

y-intercept = -2



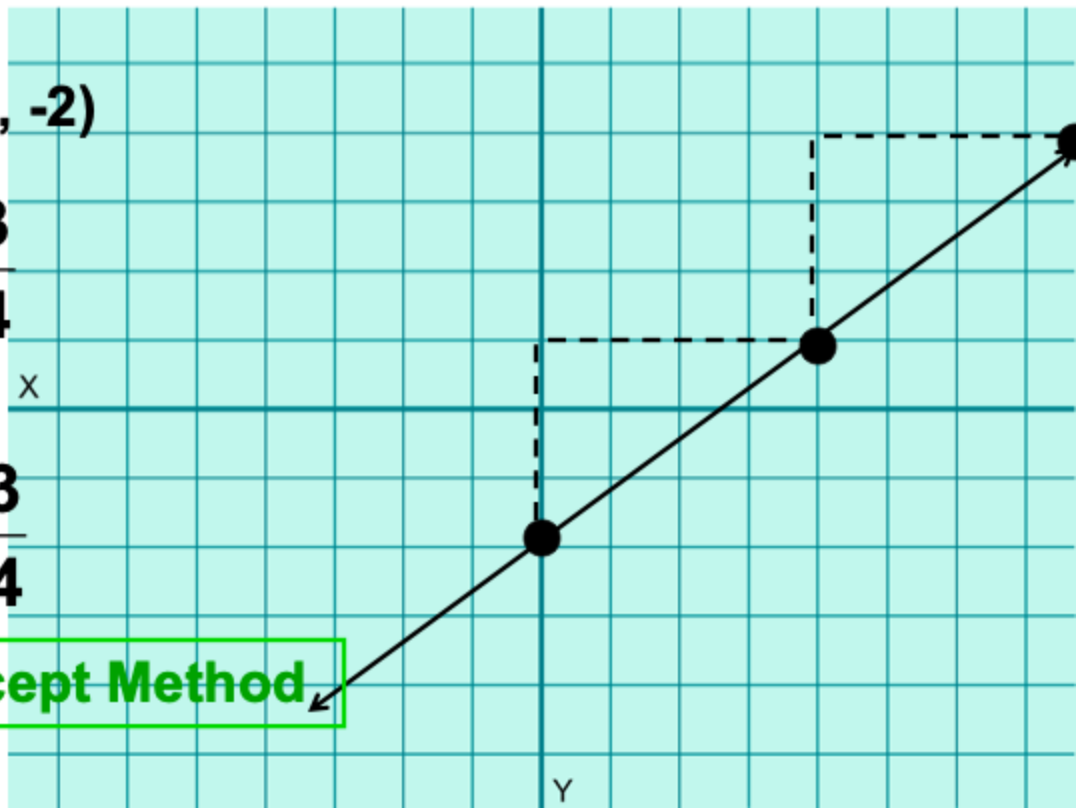
1) Graph $y = \frac{3}{4}x - 2$ using the slope and y-intercept.

y-int: (0, -2)

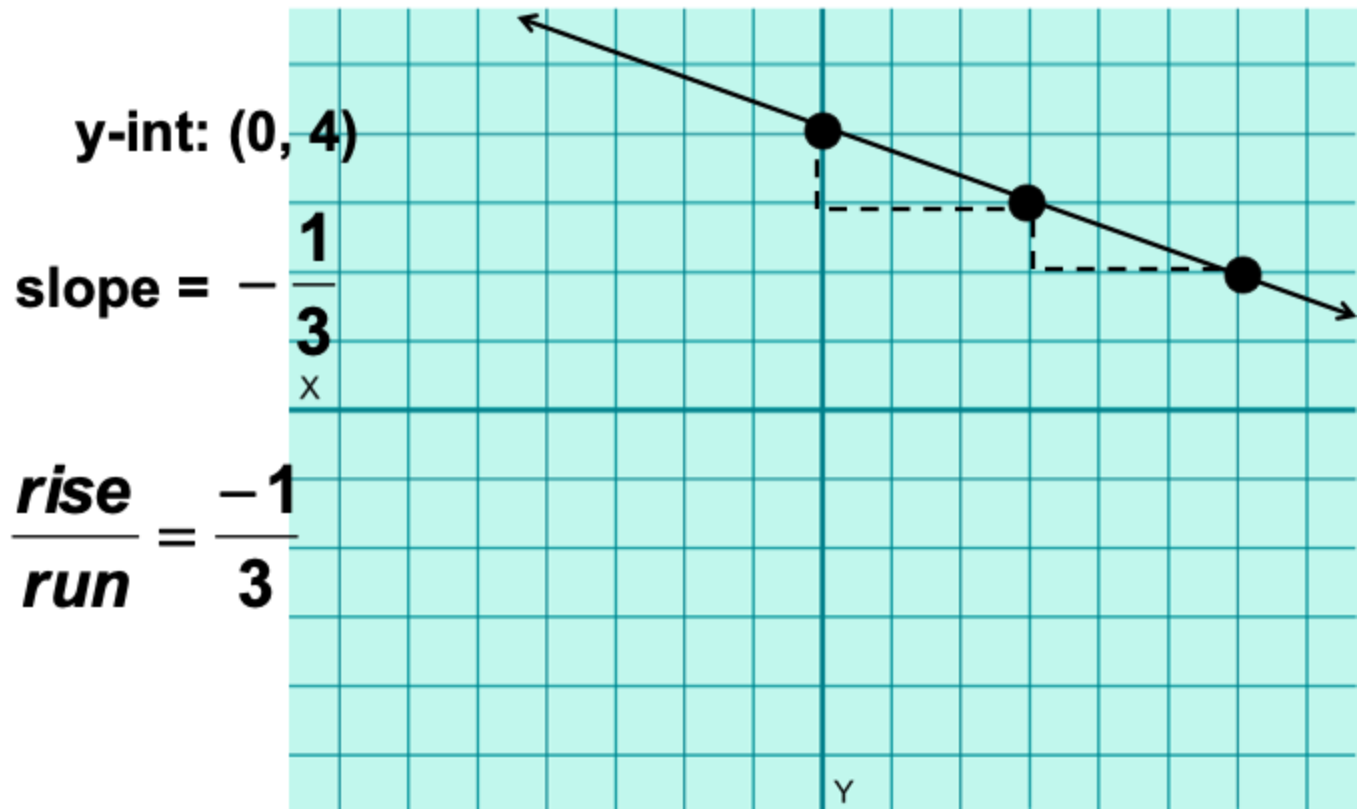
slope = $\frac{3}{4}$

$\frac{\text{rise}}{\text{run}} = \frac{3}{4}$

Slope Intercept Method



2) Graph $y = -\frac{1}{3}x + 4$ using the Slope-Intercept Method.



Time to Practice

Practice 1

Practice 2

Exit Pass

3 things you learned today

2 things you want to learn about

1 question you have