

> TODAY'S AGENDA:

- Continue working on Khan Academy
- Mission: Engage NY Module 4

> Slope-Intercept Intro

- Today's Objective:

> Students will be able to determine the Slope of a Line

- Today's Standards:

> 8.F.B.4, HSA.REI.D.10, HSF.IF.C.7, HSF.IF.C.7a, HSF.LE.A.2

# Slope-Intercept Intro

$$y = mx + b$$

↑  
slope

↑  
y-intercept

What is the y-intercept of  $y = -2x + 6$ ?

Choose 1 answer:

(0, 6)

$$y = -2x + 6$$

(6, 0)

$$y = \underbrace{-2x + x} + 6$$

(0, -2)

(-2, 0)

$$y = x + 6$$

Complete the equation of the line whose  $y$ -intercept is  $(0, -1)$  and slope is 4.

$$y = \boxed{4x - 1}$$

$$y = mx + b$$

$$y = 4x - 1$$

What is the slope of  $y = -4x - 3$ ?



What is the  $y$ -intercept of  $y = 5x - 1$ ?

Choose 1 answer:

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(A)  $(0, -1)$

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(B)  $(0, 5)$

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(C)  $(5, 0)$

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(D)  $(-1, 0)$

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