> TODAY'S AGENDA: Feb. 4th - 8th

- Continue working on Khan Academy
- Mission: Engage NY Module 4
  > Slope From 2 Points

- Today's Objective:
  > Students will be able to determine the Slope of a Line

- Today's Standards:
  > CCSS Math: 8.F.B.4, HSF.LE.A.2

Determining the Slope of a Line

Given 2 Points

$$M = \frac{y_2 - y_1}{x_2 - x_1}$$

↑
Labels

Incorrect

$$\frac{y2 - y1 \text{ multiply}}{x^2 - x^1 \text{ exponents}}$$

What is the slope of the line through $(2, -2)$ and $(9, 3)$?

$$x_1, y_1 \quad x_2, y_2$$

Choose 1 answer:

A) $-\dfrac{7}{5}$

B) $\dfrac{7}{5}$

●) $\dfrac{5}{7}$

D) $-\dfrac{5}{7}$

$$\frac{y_2 - y_1}{x_2 - x_1} \qquad \frac{3 + 2}{9 - 2} = \frac{5}{7}$$

What is the slope of the line through $(-1, -7)$ and $(3, 9)$?

$$x_1 \; y_1 \quad x_2 \; y_2$$

Choose 1 answer:

(A) $\dfrac{1}{4}$

(B) 4

(C) -4

(D) $-\dfrac{1}{4}$

$$\frac{y_2 - y_1}{x_2 - x_1} \qquad \frac{9 + 7}{3 + 1} = \frac{16}{4} = 4$$

$$4$$

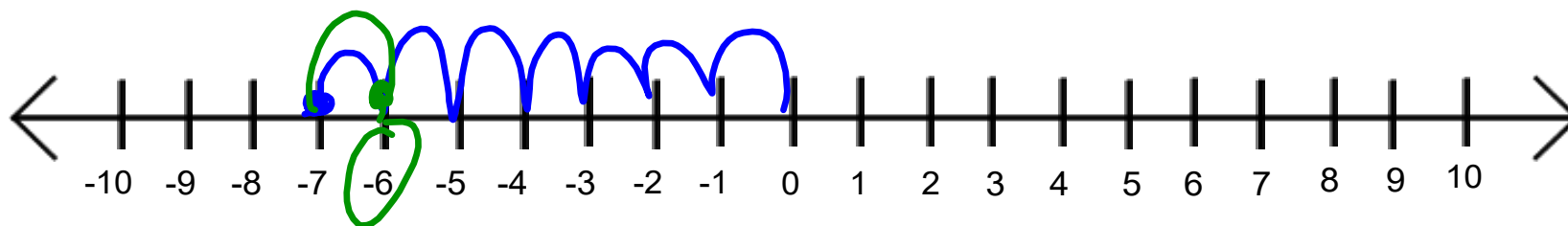What is the slope of the line through $(-4, 2)$ and $(3, -3)$?

Choose 1 answer:

(A) ⊙ $-\dfrac{5}{7}$

(B) $\dfrac{7}{5}$

(C) $-\dfrac{7}{5}$

(D) $\dfrac{5}{7}$

$$\frac{y_2 - y_1}{x_2 - x_1} \qquad \frac{-3 - 2}{3 + -4} = \frac{-5}{7}$$

What is the slope of the line through $(-4, 2)$ and $(3, -3)$?

Choose 1 answer:

(A) $-\dfrac{7}{5}$

(B) $-\dfrac{5}{7}$

(C) $\dfrac{5}{7}$

(D) $\dfrac{7}{5}$