

TEAM UP!

FOR COMMON CORE LEARNING™

Multiple Choice:

What is the slope of the line graphed on a coordinate plane that passes through the origin and the point (2, -4).

- (A) -4
- (B) -2
- (C) $\frac{1}{2}$
- (D) $-\frac{1}{2}$

Task:

Right triangle ABC has coordinates A(0, 0), B(2, 1) and C(2, 0). Similar triangle ADE has coordinates A(0, 0), D(4, 2), and E(4, 0). Determine the slope of the hypotenuse for each triangle.

Answers

Multiple Choice:

(B) -2

Task:

The slopes for Triangle ABC and Triange ADE are both $\frac{1}{2}$.

Expressions and Equations

Cluster B: Understand the connections between proportional relationships, lines, and linear equations. (8.EE.5, 8.EE.6)