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Slope or *rate of change* - is the vertical change divided by the horizontal change

Symbol - m

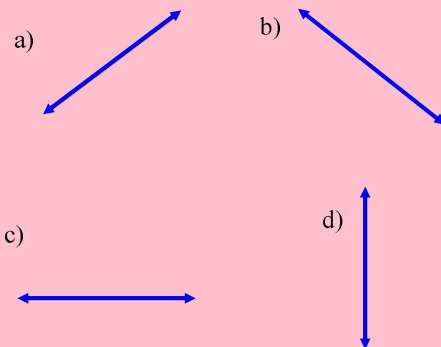$$formula = \frac{y_2 - y_1}{x_2 - x_1} \text{ or } \frac{y_1 - y_2}{x_1 - x_2}$$

WISE UP

Slope is a ratio of the rise to run. Keep answers as simplified improper fractions. NO mixed numbers.

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Ex1) Determine the sign of the slope given the graph:

a)

b)

c)

d)

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Ex2) Find the slope using the formula:

$$m = \frac{y_2 - y_1}{x_2 - x_1} \text{ or } \frac{y_1 - y_2}{x_1 - x_2}$$

a) A(-3,0) and B(-1,6)

b) C(-1,-3) and D (5, -3)

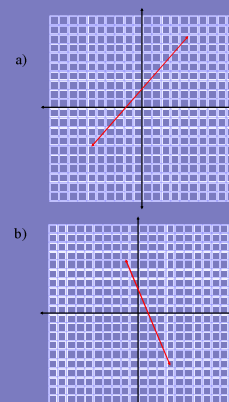c) E(-1,3) and F (-1,-2)

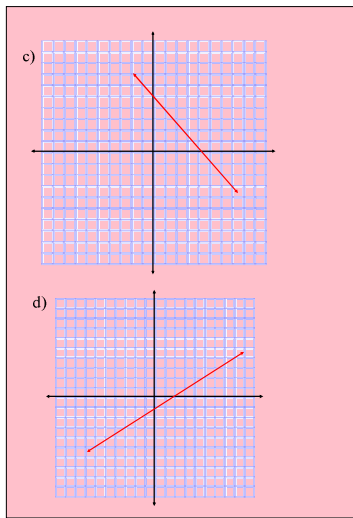Nov 18-10:39 AM

1

Try# 1.) S(-4,1) and T(2,-3)

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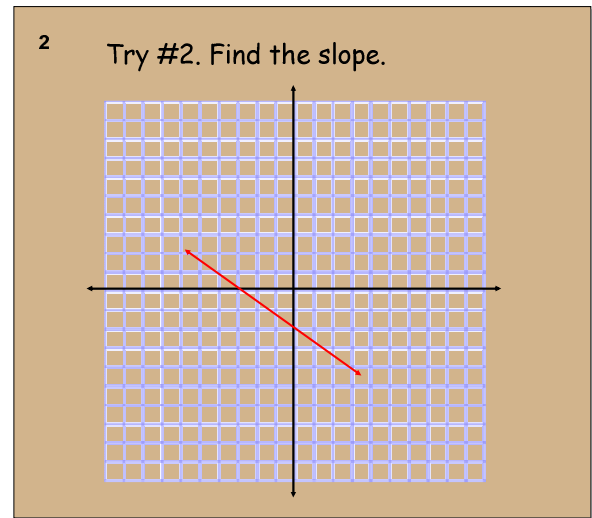

Ex3) Given a graph find the slope:
Triangle method=+/- $\frac{rise}{run}$

a)

b)

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c)

d)

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2

Try #2. Find the slope.

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