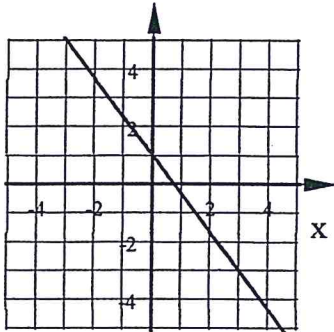# Algebra 1   Bellwork   Monday, January 4, 2016

Find the slope of the line containing each pair of points. Reduce fractional answers.

1. $(-9, 18)$ & $(6, -2)$ 2. $(-7, -4)$ & $(15, -4)$ 3. $(8, -11)$ & $(8, 5)$

4. Find the slope of the line shown in this graph.

5. Below is a chart showing how much a plumber would charge to come out and work on your leak.   What does the plumber charge per hour for labor?

# hour	$ total charge
1	99
3	147
7	243
13	387

Algebra 1   Bellwork   Monday, January 4, 2016 ·· [Answers]

Find the slope of the line containing each pair of points. Reduce fractional answers.

1. $(-9, 18)$ & $(6, -2)$ 2. $(-7, -4)$ & $(15, -4)$ 3. $(8, -11)$ & $(8, 5)$

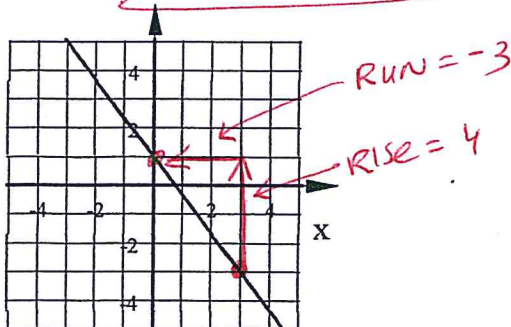$m = \dfrac{18 - -2}{-9 - 6} = \dfrac{20}{-15}$ $m = \dfrac{-4 - -4}{15 - -7} = \dfrac{0}{22}$ $m = \dfrac{5 - -11}{8 - 8} = \dfrac{16}{0}$

$\boxed{m = -\dfrac{4}{3}}$ $\boxed{m = 0}$ $\boxed{m \text{ is undefined}}$

4. Find the slope of the line shown in this graph.

$\boxed{m = -\dfrac{4}{3}}$

RUN = -3

RISE = 4

5. Below is a chart showing how much a plumber would charge to come out and work on your leak.   What does the plumber charge per hour for labor?

$\dfrac{\$48}{2 \text{ hrs}} = \boxed{\$24 \text{ per hour}}$

$3 - 1 = 2 \text{ hrs}$

# hour	$ total charge
1	99
3	147.
7	243
13	387

$147 - 99 = \$48$

1