Find the slope of the line containing each pair of points. Reduce fractional answers.
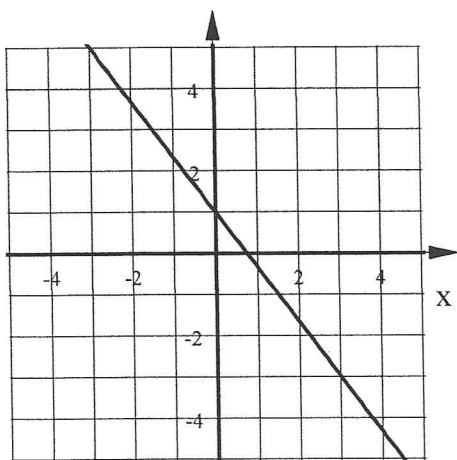
1. $(4,13) \& (-6,-2)$
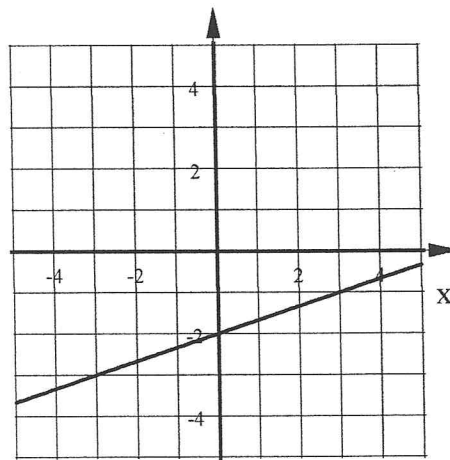
2. $(5,-33) \& (-3,23)$

3. $(8,-11) \& (8,5)$

4. $(-9,-4) \& (15,-4)$

Find the slope of the line shown in each graph.

5.

6.

7. Below is a chart showing how much a plumber would charge to come out and work on your leak.

# hour	$ total charge
1	99
3	147
7	143
13	387

a) Find the rate of change for the Total Charge.

b) What does this number represent?

1

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

1. $(4,13)\,\&\,(-6,-2)$

$$m = \frac{13--2}{4--6} = \frac{15}{10} = \boxed{\frac{3}{2}}$$

2. $(5,-33)\,\&\,(-3,23)$

$$m = \frac{23--33}{-3-5} = \frac{56}{-8} = \boxed{-7}$$

3. $(8,-11)\,\&\,(8,5)$

$\boxed{m\ is\ undefined}$

4. $(-9,-4)\,\&\,(15,-4)$

$\boxed{M=0}$

Find the slope of the line shown in each graph.

5. $\boxed{m = -\frac{4}{3}}$
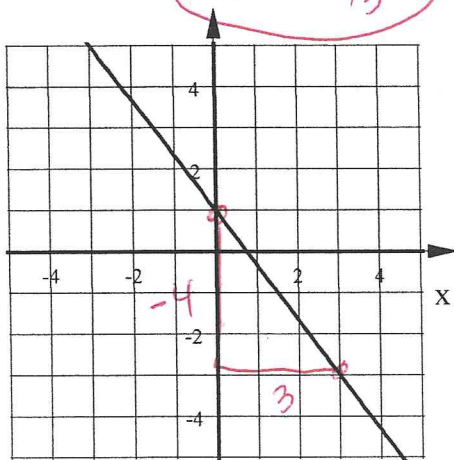
6. $\boxed{m = \frac{1}{3}}$
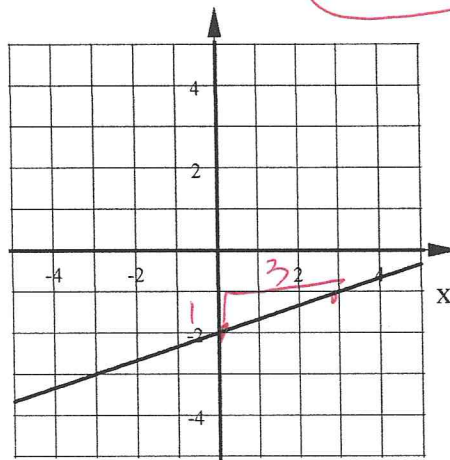

7. Below is a chart showing how much a plumber would charge to come out and work on your leak.

# hour	$ total charge
1	99
3	147
7	143
13	387

$3-1 = 2$

$147-99 \quad 48$

a) Find the rate of change for the Total Charge. $\$48/2hrs = \$24/hr$

b) What does this number represent?

the amount of money the plumber charges per hour to work at your house.

1