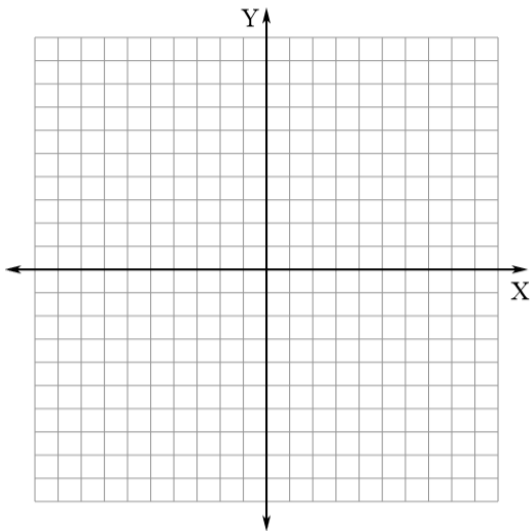
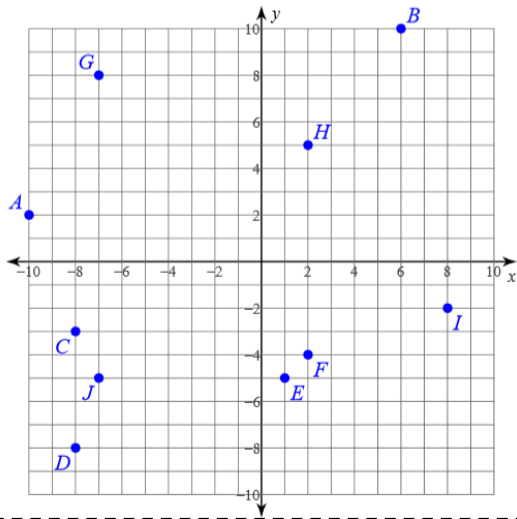


DAY 1 - Plotting Points & Slopes



1. Plot the following

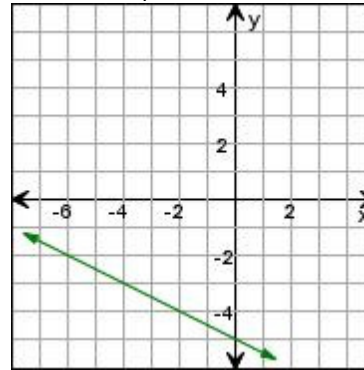
- A(7, 10)
- D(-6, -6)
- G(-3, -4)
- J(7, -9)
- B(0, 4)
- E(10, 0)
- H(-4, -9)
- C(-1, 10)
- F(9, 7)
- I(4, 1)



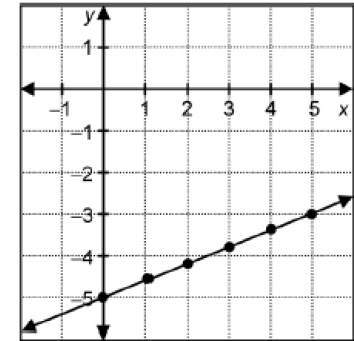
2. Name the following coordinates:

- A.
- B.
- C.
- D.
- E.
- F.
- G.
- H.
- I.
- J.

3. Find slopes

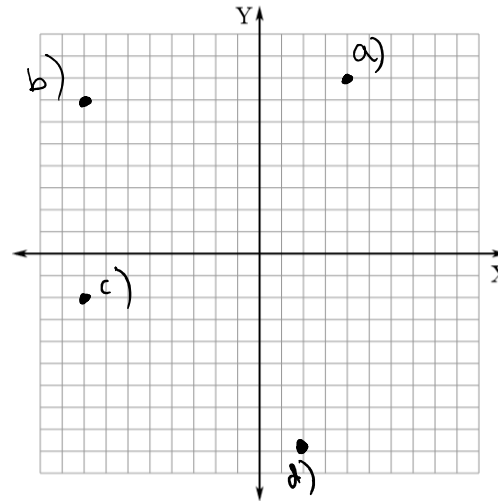


$m = \underline{\hspace{2cm}}$



$m = \underline{\hspace{2cm}}$

4. Sketch slopes from each given point



a) $m = \frac{1}{4}$

b) $m = -\frac{3}{2}$

c) $m = -5$

d) $m = \frac{6}{5}$

Plotting points

Finding slope

Sketching slope

2 | Survival Guide

Unit 0 – Review

Name: _____

DAY 2 - INTEGERS

1. Simplify
 $(-20)(+5) =$

$$(20) \div (-5) =$$

$$(-20)(-5) =$$

$$(-20) \div (-5) =$$

2. Simplify double signs

$$-(+) =$$

$$+(-) =$$

$$-(-) =$$

$$+(+) =$$

3.

$$-21 + (-3) =$$

$$+13 + (-7) =$$

$$-3 - (-8) =$$

$$+16 - (-5) =$$

About two negatives:

Using a number line:

4. Simplify
 $-16 - 9 =$

$$12 - (-4) =$$

$$-14 + (-5) =$$

$$-8 - (+3) =$$

5. Simplify
 $-15 + 9 =$

$$10 - 18 =$$

$$7 + (-3) =$$

$$-12 - (-2) =$$

6. Simplify bigger numbers

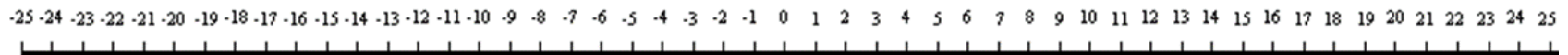
$$(-39) - (+17) =$$

$$(-61) - (-87) =$$

Using "Gains" vs "Loses"

$$(-72) + (-12) =$$

$$(-45) + (-98) =$$



DAY 3 – Long Digit Operations

1. $43.927 + 473.2$

Long Addition

3.

$$\begin{array}{r} 4.46 \\ \times 5.2 \\ \hline \end{array}$$

2. $92.4 - 7.384$

Long Subtraction

4.

$$6 \overline{)1778}$$

Long Multiplication

Long Division

4 | Survival Guide

Unit 0 – Review

Name: _____

DAY 4 – Fraction Basics

1. Convert to mixed fraction

$$\frac{33}{4}$$

2. Convert to improper fraction

$$9\frac{3}{4}$$

3. Reduce

$$\frac{56}{96}$$

4. Evaluate

$$2b - (3 + u) + a - a^2$$

$(a = 5, b = 7, u = 4)$

5. Collect Like terms

$$2x^2y - 2y + x^2y + 6y - 1$$

6. Simplify Expression

$$x - 6x(2 - 4x + x^2)$$

DAY 5 – Mult & Divide Fractions

- 7.

$$2\frac{1}{2} \times 4\frac{4}{5}$$

- 8.

$$\frac{7}{18} \times \frac{14}{21}$$

- 9.

$$\frac{3}{5} \div 7$$

Multiply Fractions

Cross cancelling:

Divide Fractions