Algebra 1 Summer Assignment

# 2019-2020

## Due: 1st Day of School 🡪 print & complete or write answers on separate sheet of paper

### (Part one): Coordinate plane Review - Label the coordinate plane with the words in the word bank.



Word Bank

x-axis

y-axis

quadrant i

quadrant ii

quadrant iii

quadrant iv

origin

x-intercept

y-intercept

### (Part two): One-Step Equations - Using inverse operations, solve the following one-step equations.

1. $x-7=10$
2. $x+4=6$
3. $x-8=-2$
4. $x+2=-9$
5. $\frac{x}{3}=6$
6. $4x=8$

### (Part three): Area - Find the area of each rectangle. \*\**Hint: Area = base x height*

5 in

5 in

1.

5 ft

1.

4 yd

12 yd

1.

6 m

9 ft

### (Part four): Perimeter - Find the perimeter of each shape.

5 in

5 in

5 in

5 in

9 ft

1.

5 ft

5 ft

1.

4 yd

12 yd

1.

6 m

9 ft

### (Part five): Slope – Find the slope of the line given 2 ordered pairs and match to the appropriate graph.

$$Slope=\frac{y\_{2}-y\_{1}}{x\_{2}-x\_{1}}$$

Graph A



Graph B



Graph C



Graph D



1. (0,2) and (-1,0) matches Graph \_\_\_\_\_\_
2. (0,0) and (4,-1) matches Graph \_\_\_\_\_\_
3. (-2,-2) and (0,1) matches Graph \_\_\_\_\_\_
4. (-1,1) and (0,-2) matches Graph \_\_\_\_\_\_