Date: 11/17/2016 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_

***=====Review=====***

P130: 5.2.1 (a)

P136: 5.3.1 (c)

*======== Chapter 8 -Graphing lines ========*

***8.1 the number line and the Cartesian plane***

Absolute value =magnitude of the number

Cartesian plane

Origin

Point -> Coordinates ->Position of the point relative to the origin

X-coordinate

Y-coordinate

Quadrants I, II, III, IV

\***Distance formula:**

P211: 8.1

8.2

8.4

**8.2 Introduction to Graphing Linear Equations**

Two-variable linear equations

Slope =

**Special slopes:**

>0

<0

=0

=1

>1

0<slope<1

-1<slope<0

<-1

For Ax+By=C, slope = A/B

Y = mx + d, slope = m

P215: 8.5

8.6

8.7

8.8

8.9

8.10

**8.3 Using slope in problems**

**Midpoint:**

P225: 8.11

8.12

8.13 (a)

***===============Homework===============***

*Read the summary and answer the following questions.*

For two points (x1,y1), (x2,y2), write the formulas for

1. Distance between them:
2. Slope of the line connecting those two points:
3. Coordinates of the midpoint:

P214: 8.1.1

8.1.3

8.1.4

P224: 8.2.1

8.2.2

8.2.3

8.2.4

P228: 8.3.2

8.3.3