

Notes for 2.1 Graphs of Equations (pp. 182 – 188)

Topics: Ordered Pairs; Rectangular Coordinate System;
Graphing Equations by Chart

Name: Date: Instructor:

*There is much that is omitted in this section.

I. Application of Ordered Pairs (p. 182)

Ordered pairs are _____
and are written as _____

*Make sure that you can interpret in context any ordered pair that you answer in a word problem.

II. Rectangular Coordinate System (pp. 182 – 183)

Two perpendicular lines intersect at a point called the _____ with the coordinates _____. The horizontal axis is called the _____ and the vertical axis is called the _____. The two lines break the plane into 4 _____ or regions that are always labeled with Roman numerals.

Plot the points A (3, 4), B (-2, 1), C (-3, -4), D (4, -2), E (5, 0), F (0, -2)

*Omit distance, midpoint. Stop video from 6:16 – 16:18.

III. Graphing an Equation by Point Plotting

1. Find the _____.
2. Find as many points as needed (at least 3). Choose an x-value and substitute to find the y value that goes with it.
3. Plot the ordered pairs from steps 1 and 2.
4. Connect the points to make a smooth line or curve.

*Omit circles. Stop tape from 23:01 to the end.

Assignments:

Text: p. 194 – 145 #33 – 43 odd, 77, 79
