

Worksheet 1

- Review of Cartesian Coordinates

Worksheet 2

- Input Output Charts

(3,36) (4,48)

Graphing Ordered Pairs

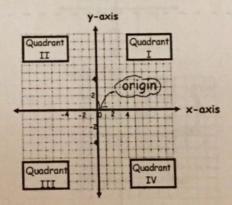
The table shows the relationship between a number of CD's and their cost.

Number of CD's	Cost (\$)
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	12
2	24
3	36
4	48

This relationship can be represented by a set of ordered pairs.

The first number of each pair represents the number of CD's, and the second number represents the cost.

Ordered pairs can be shown on a grid formed by 2 perpendicular number lines.

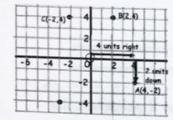


The horizontal line is called the X-axis. The vertical line is the y-axis. The point where the number lines meet is the origin. The 4 regions formed by the axes are quadrants.

Plotting or Graphing a Point

Ordered pairs, like (4,-2), can be used to name points on the grid. The first number in the ordered pair is called the x-coordinate. The second number is the y-coordinate.

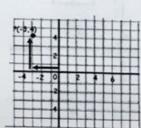
x-coordinate y-coordinate (4,-2)



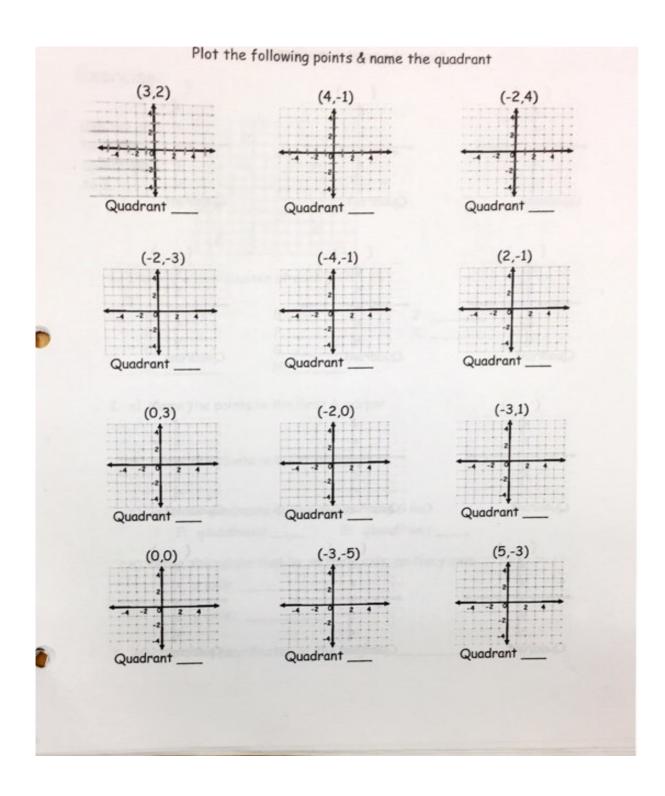
The ordered pair to name point D in the diagram is _____

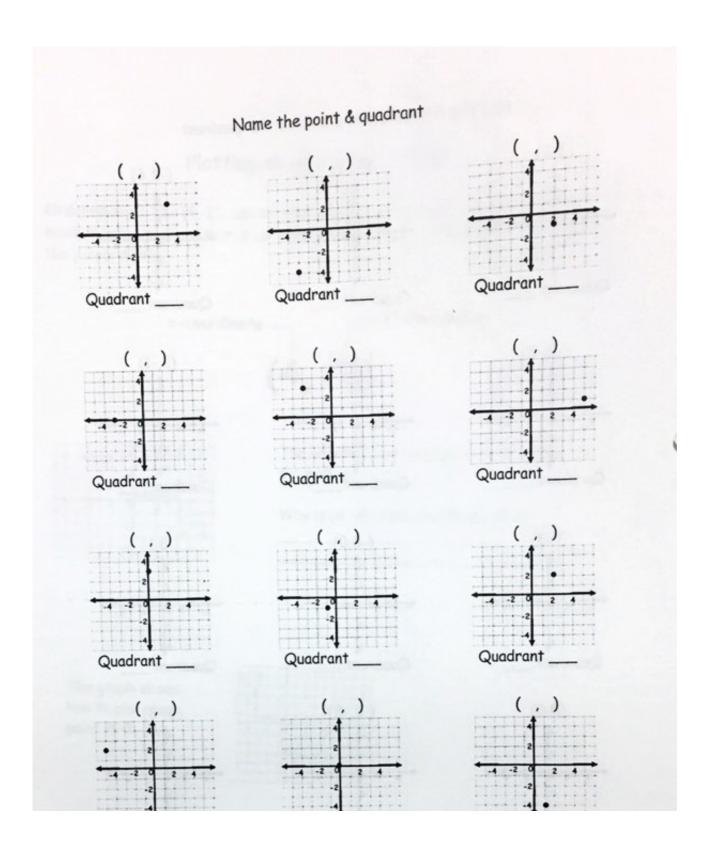
Why is (4,-2) different from (-2,4)?

The graph shows how to plot the point P(-3, 4).



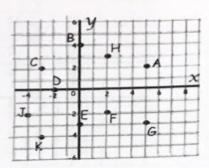
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Exercise:

Use the grid to answer Questions 1 to 3.



State the coordinates of each point.

- 2. a) Name the points in the first quadrant.
 - b) Name the points in the third quadrant.
 - c) In which quadrants do the points F and G lie?

F: quadrant ____

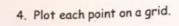
G.	quadrant
O.	guuni unc

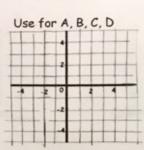
d) Name the points that lie on the x axis; on the y axis.

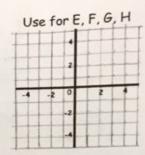
x axis:

y axis: _____

3. What are the coordinates of the origin?





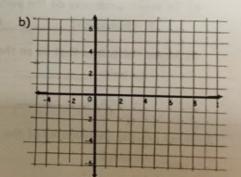


- Graph each set of points on a separate grid. Join the points in the order given and return to the first point. Name the figure formed in each case.
 - a) A(-6,4) B(4,2) C(2,-3) D(-6,-3)
 - b) E(4,5) F(9,5) G(9,0) H(4,0)
 - c) K(1,3) L(-6,-4) M(1,-4)
 - d) P(6,3) Q(0,-5) R(8,-6)
 - e) S(6,4) T(-3,4) U(5,-1) V(2,7) W(-2,-1)

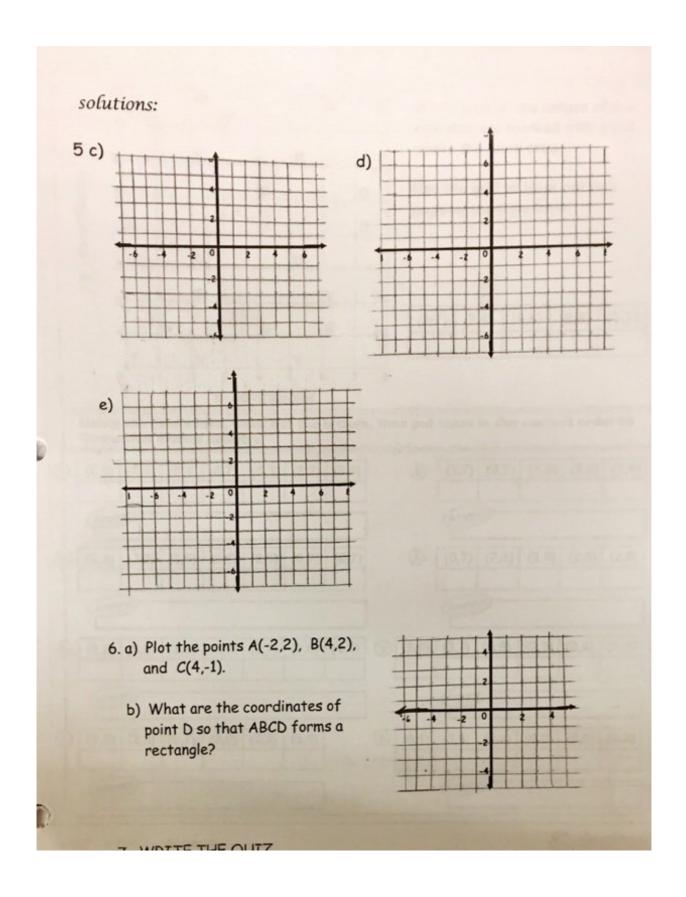
solutions:

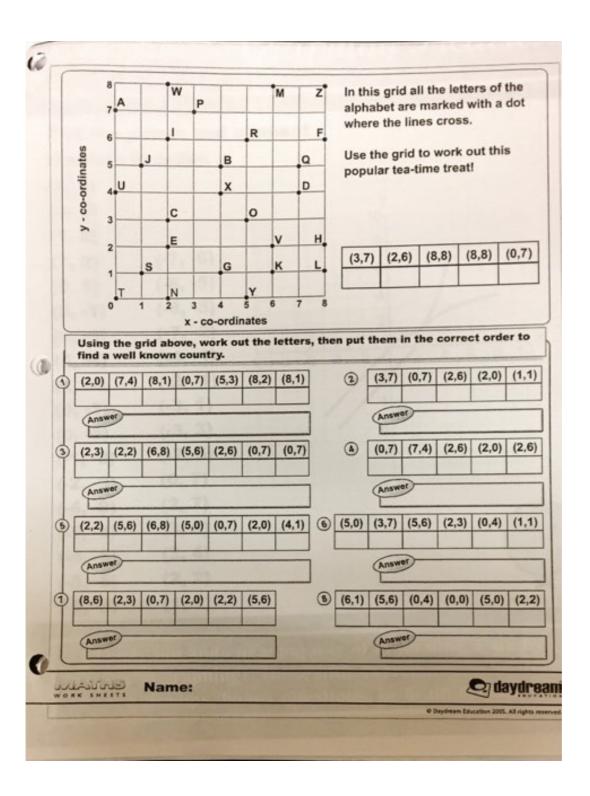


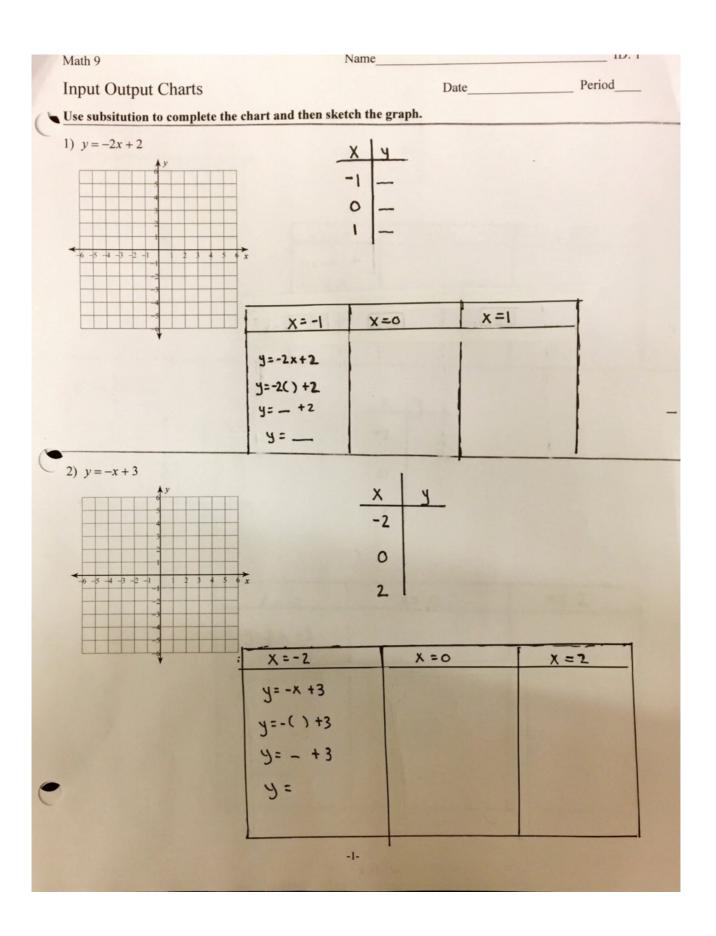


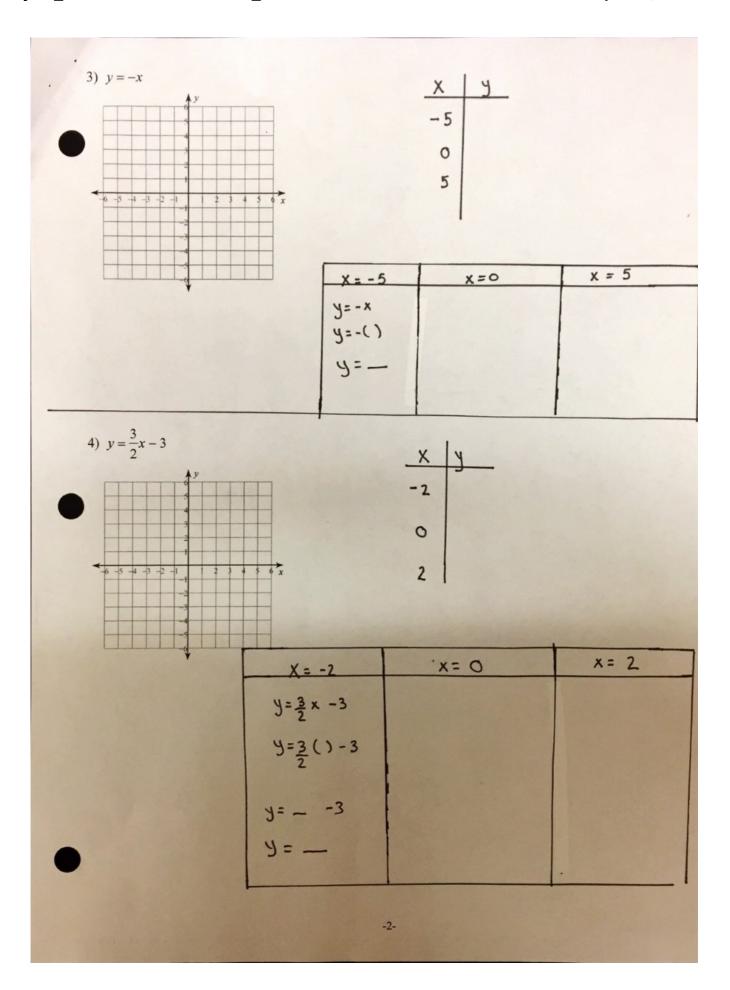


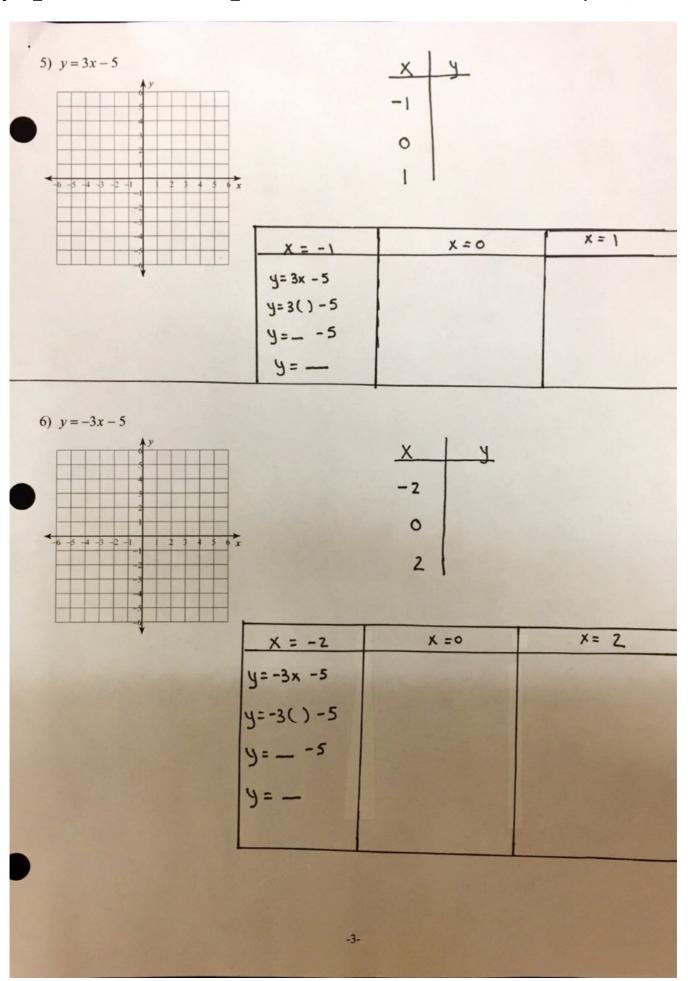
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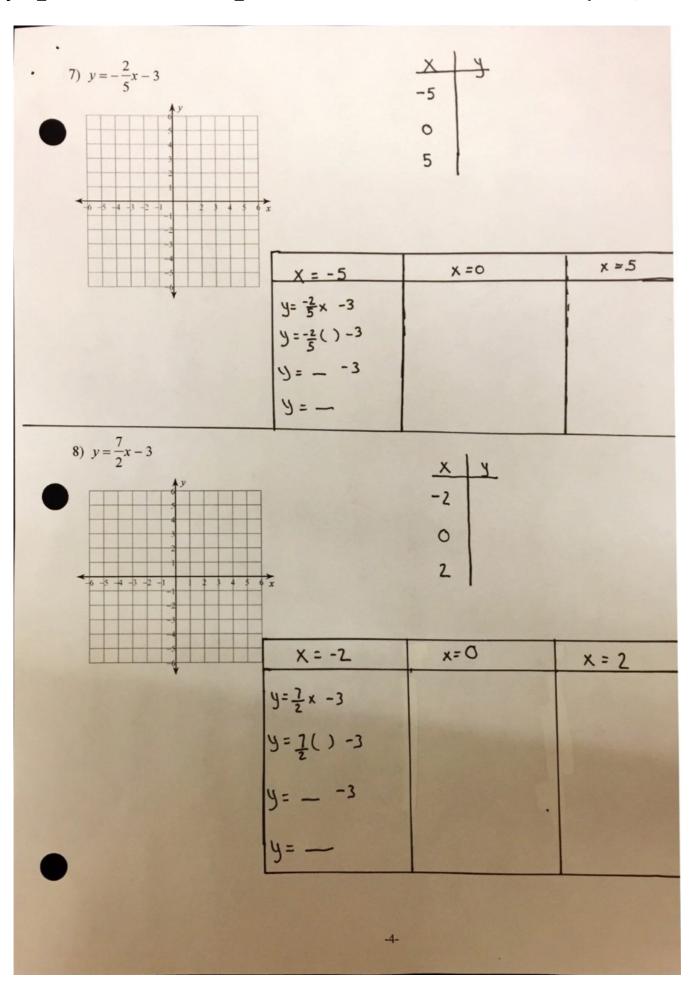












Section 4.1 Extra Practice.doc