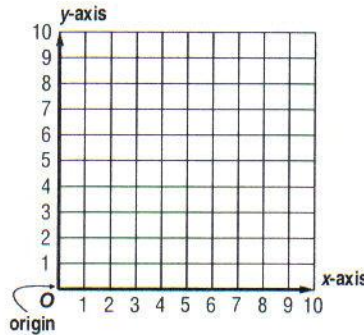


**11-7 Word Problem Practice*****The Coordinate Plane***

**MONEY** For Exercises 1–4, use the table and the coordinate plane.

School buttons sell for \$2 each. When you have completed the table and the graph, both the table and graph will show the costs of purchasing up to 5 school buttons.

Number of Buttons Sold	Price (\$)
1	
2	
3	
4	
5	



1. Now complete the second column of the table by writing the cost of each number of buttons.

2. To prepare to graph the data, make a list of ordered pairs from the table.

3. Graph the ordered pairs. Label each point with its ordered pair. Describe the graph of the points.

4. Describe the coordinate plane that you have completed. How is it different from other systems you have used?

5. **TRACK** If it takes Trixie 8 minutes to run a mile, then  $8m$  represents her total time where  $m$  is the number of miles she has run. List the ordered pairs (number of miles, total time) for 0, 1, 2, and 3 miles.

6. **TRACK** If you were to graph the ordered pairs from Exercise 5, what would their graph look like?