

Practice 2-3 Worksheet #2

Mixed Exercises

Graph the data in each table.

1.

x	y
-4	18
-2	6
-1	3
2	6
3	11

2.

x	y
-3	-5
-1	-1
0	1
1	3
4	7

3.

x	y
-2.3	6.3
-1.7	5.1
0.5	0.7
1.2	-0.7
4.8	-7.9

Identify the independent and dependent variables.

4. cost of pencils, number of pencils 5. cost of item, change from twenty-dollar bill
 6. speed of car, distanced travel 7. amount of sales tax, cost of items

Choose a scale that you could use to graph each table.

8.

x	y
-5	10
2	-6
6	-15
13	-23

9.

x	y
-18	-30
-13	-10
-5	25
2	75

10.

x	y
1.0	12.5
3.6	10.5
12.9	7.5
25.7	3.6

11. The table shows the cost for purchasing square yards of carpet.

Carpet (yd²)	10	15	20	30
Total Cost (\$)	199.50	299.25	399.00	590.50

- a. From the table, what can you say about the relationship between the amount of carpet and the total cost?
 b. Identify the independent and dependent variables.
 c. Graph the data.

12. The table shows the cost to rent a car for one day at \$20 plus mileage.

Miles Driven (mi)	50	100	150	200
Total Cost (\$)	27.50	35.00	42.50	50.00

- a. Identify the independent and dependent variables.
 b. Graph the data.
 c. Use the graph to approximate the cost of renting the car and driving 120 mi.
 d. From the table, what can you say about the relationship between miles driven and total cost to rent the car?