Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sect \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Functions/Graphing Review:

Determine whether the following are functions:

X Y X Y X Y

5 8 -4 3 17 20

6 7 -3 4 17 21

7 6 -2 4 17 22

8 5 -1 4 17 23

9 4 0 2 17 24

 

The following table represents a function. Use the table to write an equation:

X Y

2 5

3 7

4 9

5 11

6 13

When x increases by 1, how much does y increase by? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If the input (x) was 0, what would y equal? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write the equation for the function. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The following table represents the speed a train travels over time. Make a graph to represent the data shown in the table:

Time: 0 min 5 min 10 min 15 min 20 min 25 min

Speed: 0mph 60 mph 90 mph 30 mph 60 mph 0 mph



StubHub charges a service fee of $8 plus $22 for each Sixers ticket purchased. This function is represented by the equation y = 22x + 8. Make a table of values showing the cost if we order 1, ticket, 2 tickets, 3 tickets, 4 tickets, and 5 tickets. The use the table to create a graph.



What is the domain of this function?

What is the range of this function?

The conversion rate from kilograms to pounds can be represented by the function y = 2.2(x) with y = lbs and x = kg.

Make a table to chart this function for the inputs 1 kg, 2 kg, 3 kg, 4 kg and 5kg

X Y

Next, graph the relationship on the graph below.

