

## Part 2: Another Example of a Function

Now that we have represented this function as a table of values, let's represent it as a graph:

We can start with the first pair of inputs and outputs from the table, and plot them as  $(x, y)$  coordinate pairs on the graph.

Then plot the other pairs. As you plot more and more of the pairs of inputs and outputs, the points start to describe the function visually as a curve on a graph.

### **Activity:**

Play with the input or speed slider.

Watch the movement on the graph as the point traces the curve.

Notice the function inputs and outputs.

Adjust the slider to find the stopping distance at 55 mph.