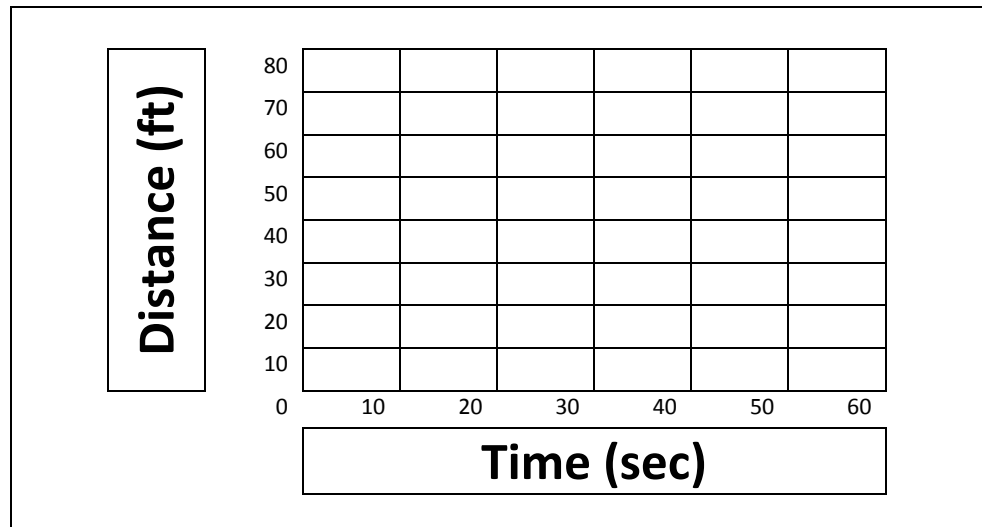# Graphing and Calculating Average Speed Worksheet

Graphing Speed

Graph the data points from the chart on the blank graph below. Connect the data points to make a line graph.

Time	Distance
0	0
10	15
20	30
30	20
40	15
50	30
60	50

Distance (ft)

80
70
60
50
40
30
20
10
0

0   10   20   30   40   50   60

Time (sec)

Analyzing the Graph

Analyze the data from the graph to answer the following questions.

1. During which times was the object moving? (Circle all that apply)
   0-10   10-20   20-30   30-40   40-50   50-60   None

2. During which times was the object moving further away? (Circle all that apply)
   0-10   10-20   20-30   30-40   40-50   50-60   None

3. During which times was the object coming closer? (Circle all that apply)
   0-10   10-20   20-30   30-40   40-50   50-60   None

4. During which times was the object stopped? (Circle all that apply)
   0-10   10-20   20-30   30-40   40-50   50-60   None

Calculating Speed

Analyze the data from the graph to answer the following questions.

1. What is the average speed from the whole trip (0 to 60 seconds)?

2. What is the average speed from the first half of the trip (0 to 30 seconds)?

3. What is the average speed from the second half of the trip (30 to 60 seconds)?

4. What is the average speed from 0 to 10 seconds?

5. What is the average speed from 10 to 20 seconds?

6. What is the average speed from 20 to 30 seconds?

7. What is the average speed from 30 to 40 seconds?

8. What is the average speed from 40 to 50 seconds?

9. What is the average speed from 50 to 60 seconds?