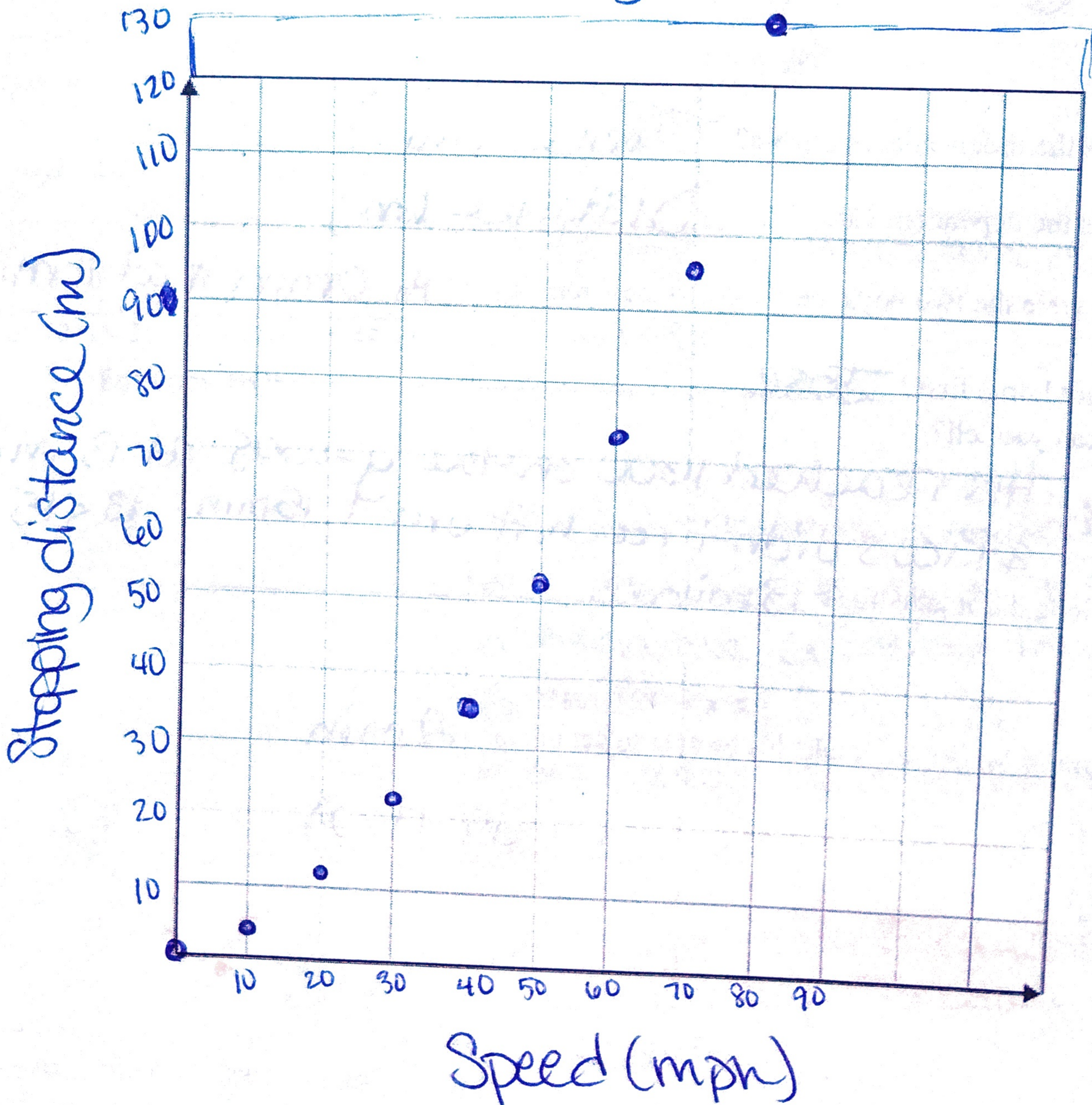


Make a good graph using the following data table.

Speed (miles per hour)	Stopping Distance (in meters)
0	0
10	4
20	12
30	22
40	36
50	52
60	73
70	96
80	130

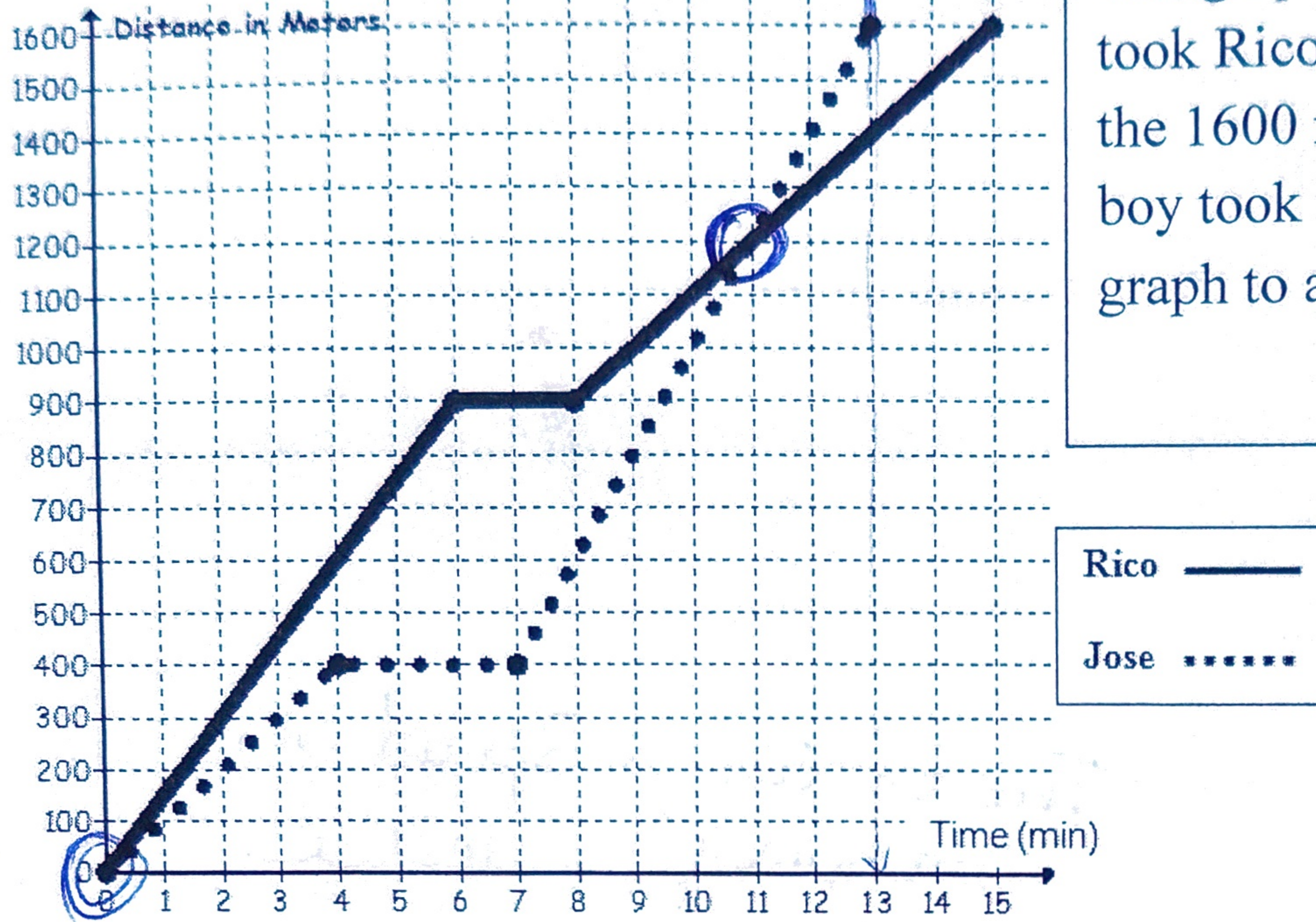
The Effect of Speed on Stopping Distance



Questions on the back too!



The Walk Home



The graph at the left shows the time it took Rico and his brother Jose to walk the 1600 meter distance home. Each boy took a different route. Use the graph to answer the questions below.

- What is the independent variable? Time (min)
- What is the dependent variable? Distance (m)
- When** were the two boys the same distance from home? At 0 min & at 11 min
- Who got home first? Jose
How can you tell?
His reached 1600 on the y-axis at 13 min & Rico's didn't reach it until 15 min. $13 < 15$
- How long did it take him? 13 min
- How much longer did it take his brother to get home? 2 min

$$(15 - 13 = 2)$$