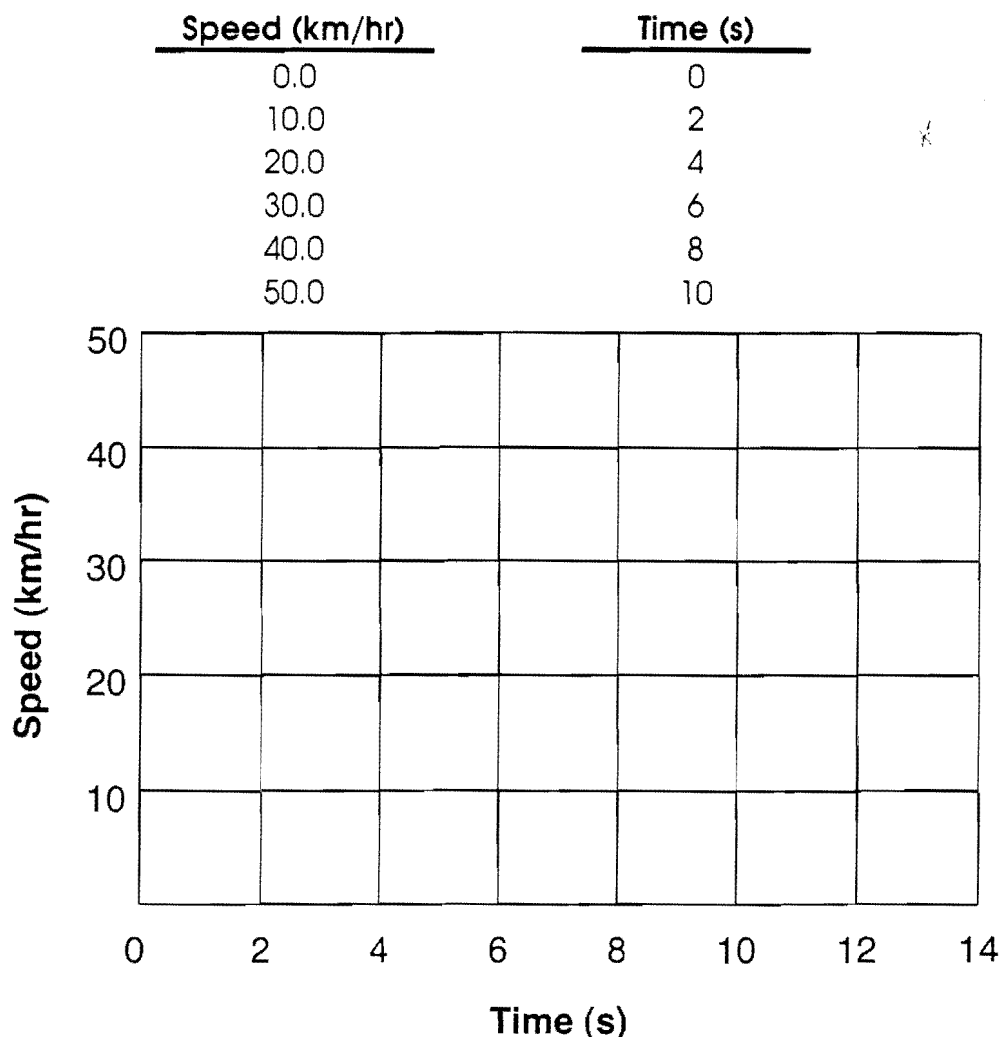


GRAPHING SPEED VS. TIME

Name _____

Plot the following data on the graph and answer the questions below.



1. As time increases, what happens to the speed? _____
2. What is the speed at 5 s? _____
3. Assuming constant acceleration, what would be the speed at 14 s?

4. At what time would the object reach a speed of 45 km/hr? _____
5. What is the object's acceleration? _____
6. What would the shape of the graph be if a speed of 50.0 km/hr is maintained from 10 s to 20 s? _____
7. Based on the information in Problem 6, calculate the acceleration from 10 s to 20 s.

8. What would the shape of the graph be if the speed of the object decreased from 50.0 km/hr at 20 s to 30 km/hr at 40 s? _____
9. What is the acceleration in Problem 8? _____