HOMEWORK

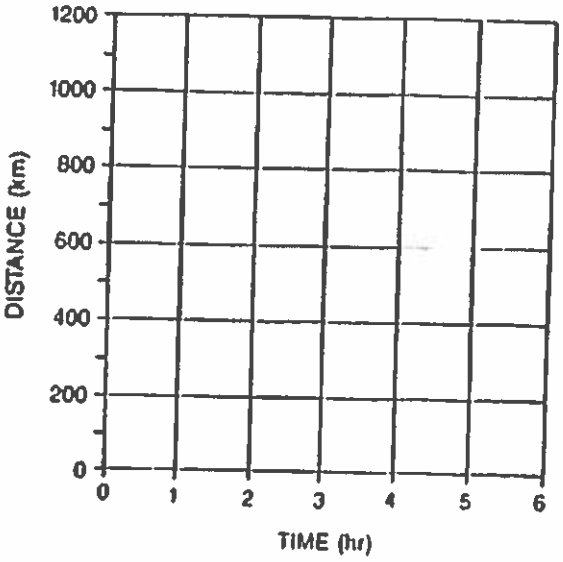
NAME _____
PER
PAGE

GRAPHING SPEED

The table lists data about two airplanes traveling at different speeds. Plot this data on the grid provided (draw smooth lines through the points). Then answer the questions below the graph.

Be sure to table your lines

Time (hr)	Distance Plane 1 (km)	Distance Plane 2 (km)
1	150	200
2	300	400
3	450	600
4	600	800
5	750	1000
6	900	1200



1. This type of graph is called a _____ graph.
2. The steepness of each line is called its _____.
3. Which airplane was traveling faster? Explain how the lines on the graph tell you.

   _____

   _____

4. Calculate the average speed in km/hr of each airplane over 6 hours from the last entries in the data table. Use the formula: speed = distance/time.

Plane 1:

$\frac{\text{distance}}{\text{time}} =$

Plane 2:

$\frac{\text{distance}}{\text{time}} =$

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