

Name \_\_\_\_\_

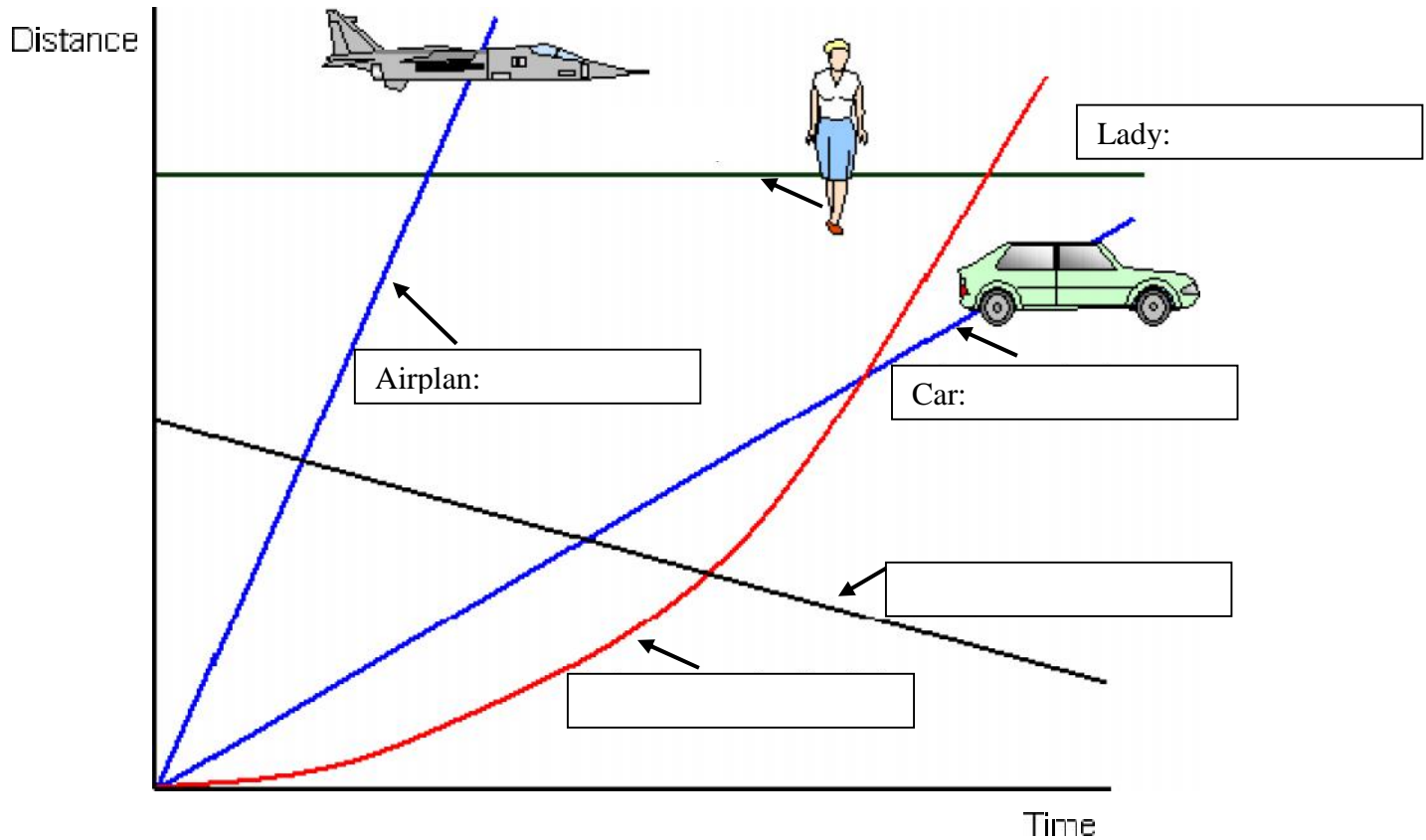
Science

Class \_\_\_\_\_

Date \_\_\_\_\_

### Homework 3-7: Graphing Motion

1. In the boxes, describe the motion of each line graph. In your description use the words such as: fast, slow, stationary, forward, back.



2. What is the average speed of a car that travels 400 km in 10 hours?

3. How far can a cheetah run if it runs at a speed of 15m/s for 5s?

4. How long does it take a marathon runner to complete the 26mile race at an average speed of 8 mi/hr?

$$\begin{aligned} \text{Speed} &= \text{distance} / \text{time} \\ \text{Distance} &= \text{speed} \times \text{time} \\ \text{Time} &= \text{distance} / \text{speed} \end{aligned}$$