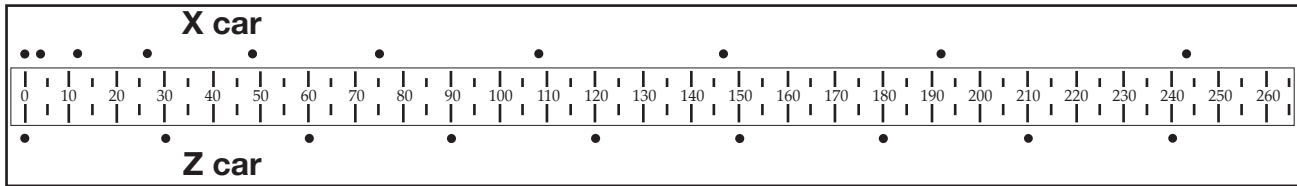


Name \_\_\_\_\_

Period \_\_\_\_\_ Date \_\_\_\_\_

# X CAR AND Z CAR A



Look at the Dotcar data for the X car and the Z car.

The Dotcars made a dot every 0.5 second.

The measuring tape is marked off in centimeters.

Answer the questions below.

1. Which car was moving with positive acceleration? \_\_\_\_\_
2. Which car was moving with negative acceleration? \_\_\_\_\_
3. Which car was moving with constant velocity? \_\_\_\_\_
4. Which car traveled with the greater average velocity for the first 4 seconds? (Show your math.)
5. Which car was going faster at the end of 4 seconds? (Show your math.)
6. At what time will the two cars be the same distance from the start, and how far will they be? (Hint: Make a graph.)

