

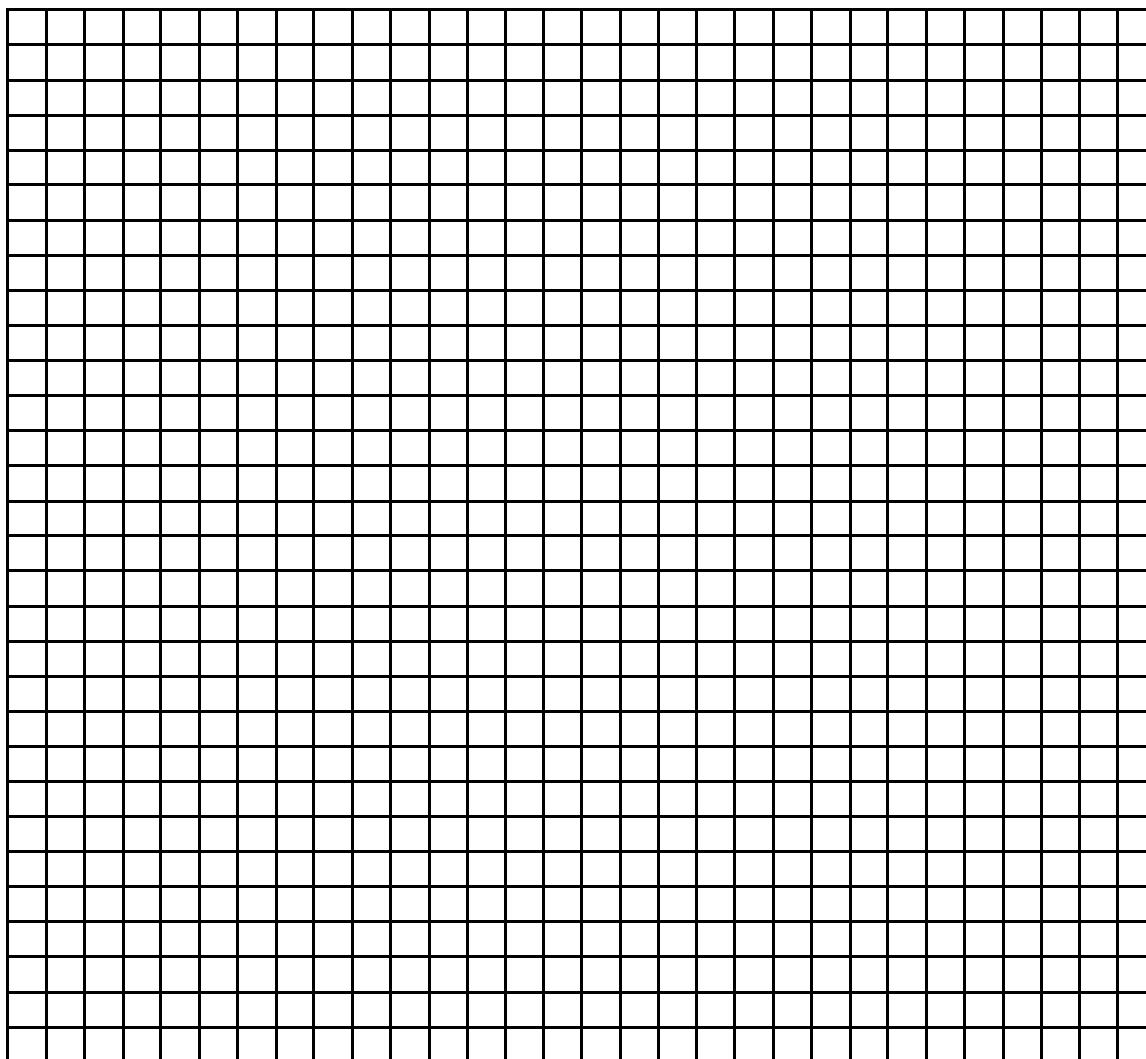
Name: _____ Period: _____ Due: _____ E.N. _____

Ice Hockey Lab

Observations: Ice hockey puck starting at 0 sec • • • • • • •

Time (sec)	Distance (cm)
0	
0.1	
0.2	
0.3	
0.4	
0.5	
0.6	

Graph the data. Remember to use a ruler!



Draw a particle diagram with vector arrows for the above graph

Identify the variables:

IV: _____

DV: _____

Control: _____

Standards: _____

Conclusion:

What is the shape of the graph: _____

What is the slope of the graph: Show your work.

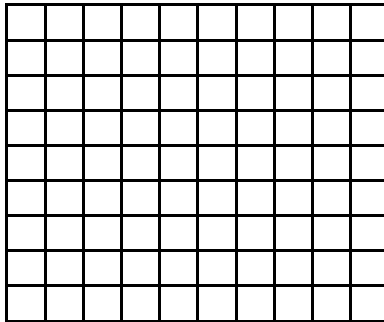
$$\text{Slope: } \frac{\text{Difference in Y}}{\text{Difference in X}}$$

Is the speed constant? _____ Explain _____

Calculate the average speed: Show your work.

How will the graph change with time? _____

Suppose you are ice skating around a rink at a constant speed. Then you get tired so you stop moving your feet and glide along the ice. How would your graph look?



Explain

Draw a particle diagram with vector arrows for the above graph