

Name Key

Hour _____

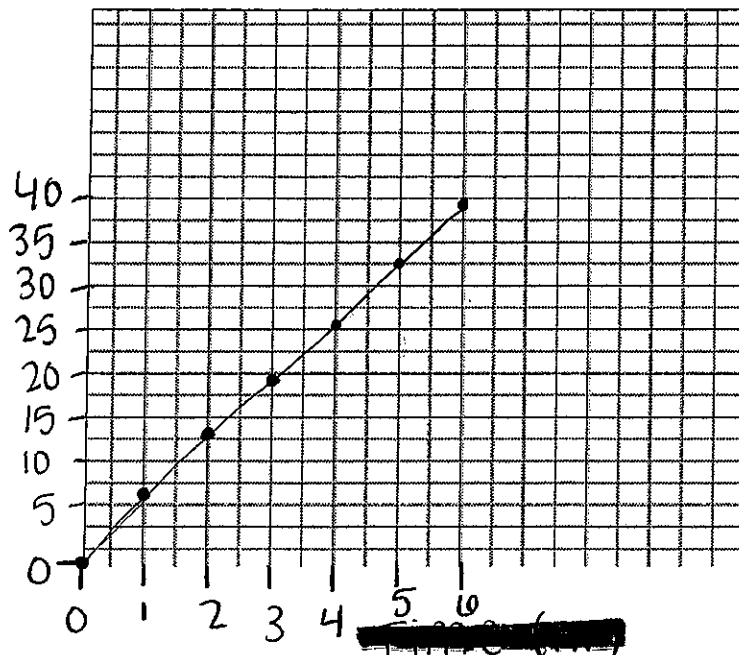
Investigation 2 ACE/Reflection

You decide to earn some money by shoveling snow. You earn \$6.50 per hour. Make a table showing how much **money** you will make over **time**

Time (HR)	1	2	3	4	5	6	10
Money (\$)	6.5	13	19.5	26	32.5	39	65

Graph your data, **label the axes**, and name the graph.

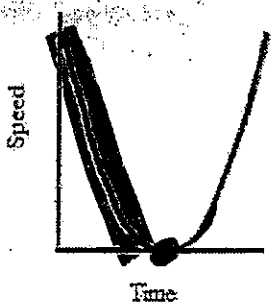
Shoveling snow



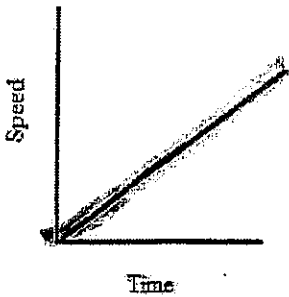
Does it make sense to connect the points? YES Why or why not?

The money you make is continuous, it keeps adding up.

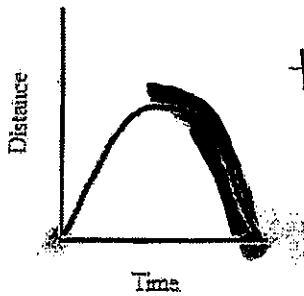
The graphs below show the progress of a car at different times during a drive. For each graph, describe the driver's progress over the time interval.



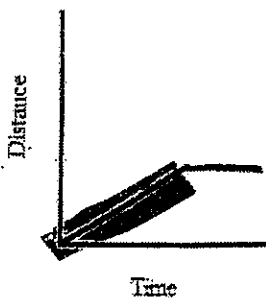
AS time increases
the ~~car~~ decreases speed,
~~comes to a stop~~, then increases
Speed.



AS time increases
driver is steadily
increasing their speed.

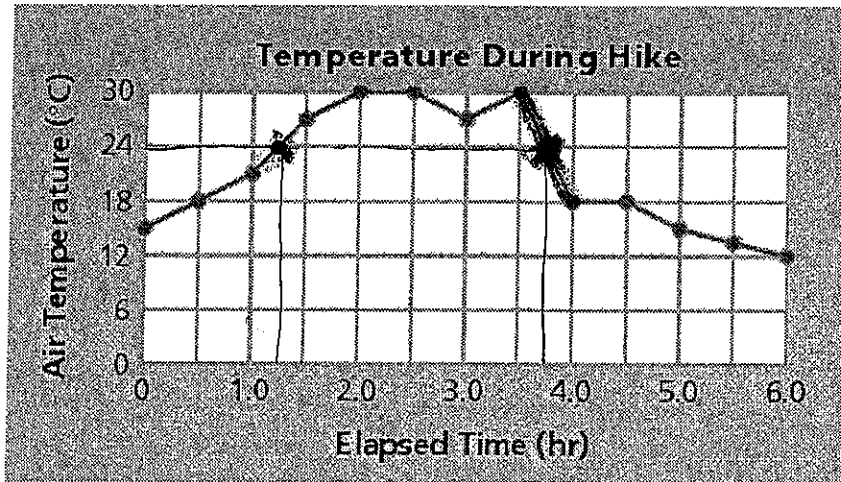


AS time increases
the driver's distance is
going further away then
~~comes to a stop~~ and
stops at the same distance
they started from.



AS time increases
the driver goes further
~~away from the target~~ at
a steady rate, then
stays at that
distance.

The graph shows how the temperature changed during an all-day hike by students.



Make a table of the data in the graph.

Time (hr)	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6
Air temp (°C)	15	18	21	27	30	30	27	30	18	18	15	13	12
		+3	+3	+6	+3	0	-3	+3	-12	0	-3	-2	-1

Answer the questions and be sure to highlight your evidence in both the graph and table.

a. What was the maximum temperature and when did it occur?

30°C at 2, 2.5 and 3.5 Hours

b. When was the temperature rising most rapidly? 1-1.5 Hours

c. When was the temperature falling most rapidly? 3.5-4 Hours

d. When was the temperature about 24 degrees celsius? 1.25 and 3.75 Hours

e. The hikers encounter a thunderstorm with rain. When do you think this happened?

Between 3.5 and 4 hours
When the temperature drops rapidly.