Honors Physics Mr. McMullen

Name _____ Date _____ Period_____

Write the general equation for each graph.

I _____

II _____

III _____

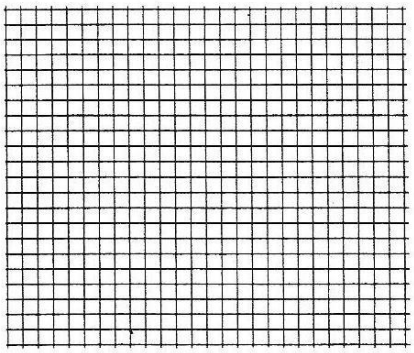
_____ **a.** Which graph indicates y is directly proportional to x?

_____ **b.** Which graph indicates y is inversely proportional to x?

_____ **c.** Which graph indicates y is proportional to the square of x?

9. A car was designed so that each time one liter of gasoline was used, a light would flash on and the driver would then read the number of kilometers traveled. The data are given below. Make a graph and answer the questions about the graph.

Liters	Kilometers
1	6
2	12
3	18
4	24
5	30



_____ **a.** Which is the independent variable?

_____ **b.** What is the slope of the line?

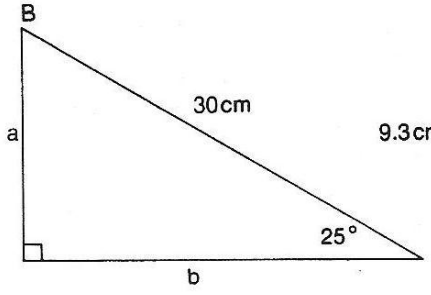
_____ **c.** What distance would be expected for 1.5 liters?

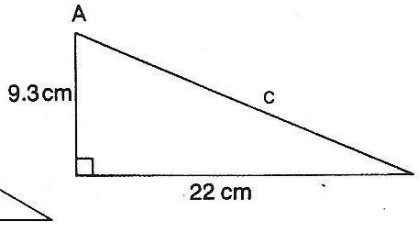
_____ **d.** Reading between data points is called ___ .

_____ **e.** What distance would you expect for 6 liters?

_____ **f.** Reading beyond the data points is called ___ .

10. Solve the following triangles for the information requested.





B = _____

a = _____

b = _____

c = _____

A = _____