1. Given the line 4x + 8y = 12 write the equation
   of the line that is perpendicular to the this line
   and passes through the point (10,1)

2. Does each table show direct variation? If yes,
   a. Write a direct variation equation
   b. Find x when y=50.

I			II			III	
x	y		x	y		x	y
-6	7.5		-4	1		6	26.4
-4	5		-3	2		8	44
8	-10		-2	3		10	52
12	-15		-1	4		12	60

3.   Ohm's law states that the Voltage (V) in volts
varies directly with the current (I) in amps.

An electronic device passed a current of 1.6 amps
at a voltage of 9.2 volts.

a. Write a direct variation equation.

b. What was the current when the voltage
    was increased to 12 volts.