Solve for y

1) $\frac{2x}{3} = y + 5$ 2) $2x - y = 10$

Write an equation (y = mx + b) that models the following:

3) to rent a car cost $45 an hour with a $75 flat fee.

4) the temperature is 81° and is expected to drop 3° each hour through the night.

Use the linear table to answer the following.
5) Find the slope
6) Find the y-int
7) Write the rule in y = mx + b form

x	1	0	-1	-2
y	-10	-12	-14	-16

---

8) Find the y-int. of the spring 4 chart.

9) Find the rate of change (slope)

10) Write a rule for the chart.

Spring 4	
Weight (ounces)	Length (inches)
0	12
4	10
8	8
12	6
16	4

Match the following rules to the lines.

11) $\ell = 12 - \frac{1}{2}w$

12) $\ell = 12 + \frac{1}{2}w$

13) $\ell = 5 + w$

14) $\ell = 18 - w$