1. Complete the function table

Input (x)	4x - 3	Output (y)
0	4(0)-3	-3
2	4(2)-3	5
4	4(4)-3	13

2. A pizza place sells pizzas for $8 each plus a $3 delivery charge per order.

   a. Write an equation to describe the situation.

   $$t = 8p + 3$$

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$$t = 8p + 3$$ $p =$ # of pizzas
$$t = \text{total}$$

b. If Pat orders 4 pizzas to be delivered, what will be his total cost?

$$t = 8(4) + 3$$ $p = 4$
$$= 35$$

3. For the sequence 2, 8, 14, 20, ... ,

a. State how the next term in each sequence can be found. (what is the rule)

Add by 6 $y = x + 6$

b. Find the next two terms in the sequence.

26, 32

4. Find the missing number in the sequence $18\frac{1}{4}$, ____, $22\frac{3}{4}$, 25, …

$$20\frac{2}{4}$$

$$24\frac{4}{4}$$

$$24\frac{4}{4}$$
$$-22\frac{3}{4}$$
$$\overline{2\frac{1}{4}}$$

$$\frac{2\frac{1}{4}}{2\frac{1}{4}}$$

$$29\frac{1}{2}$$

Name _____

5. In a football game, each team earns 3 points for each field goal it scores.

   a. Write an equation to find y, the total number of points for scoring field goals.
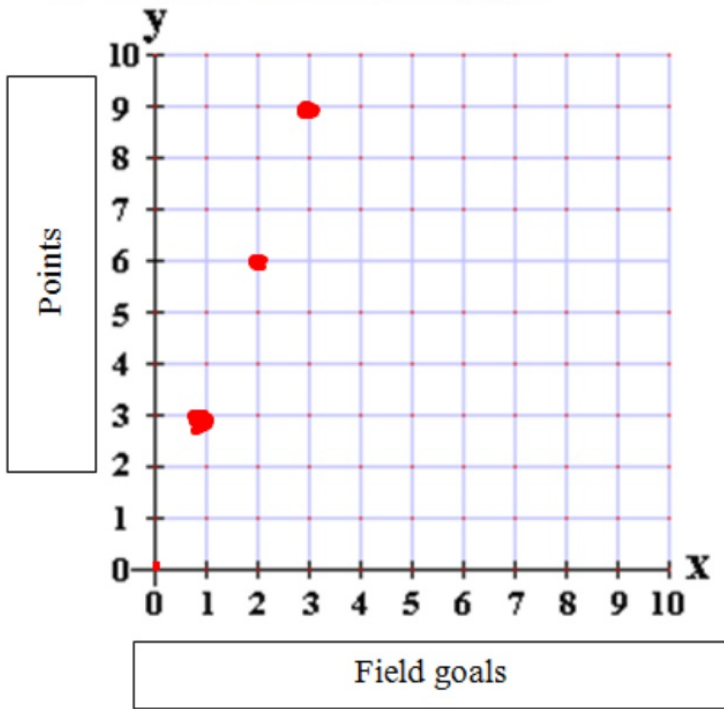
   $$y = 3x$$

   x = # of goals
   y = total points

   b. Make a table to show the relationship between the number of touchdowns scored x and the total points y for 1, 2, and 3 field goals.

Field Goals, x	1	2	3
Points, y	3	6	9

c. Graph the ordered pairs (x, y).

Points (y-axis)

Field goals (x-axis)

$y = 3x$

$x = 1, 2, 3$