Name: _____
Date : _____

Final Review – 02
Linear Relations 02

1. Given the equation: $8x + 6y + 12 = 0$

A) What is the *y*-intercept?

Answer: _____

A) What is the *x*-intercept?

Answer: _____

2. a) What is the *equation of a line* that would give you the following table of values?

b) What would the value of 'x' be?

x	y
-3	-61
2	-1
x	47

a) Answer: _____

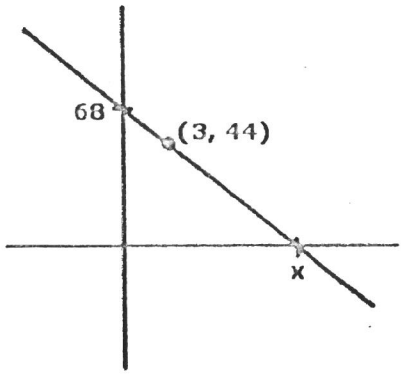
b) Answer: _____

3. What is the ***equation of a line*** with an **x-intercept of 6** and a **y-intercept of -18**?

Answer: _____

4. a) What is the ***equation of the line*** represented in the graph at right?

b) What is the **value** of '**x**'?



a) Answer: _____

b) Answer: _____

5. Which of the following equations represents a line **perpendicular** to $4x + 3y + 12 = 0$?

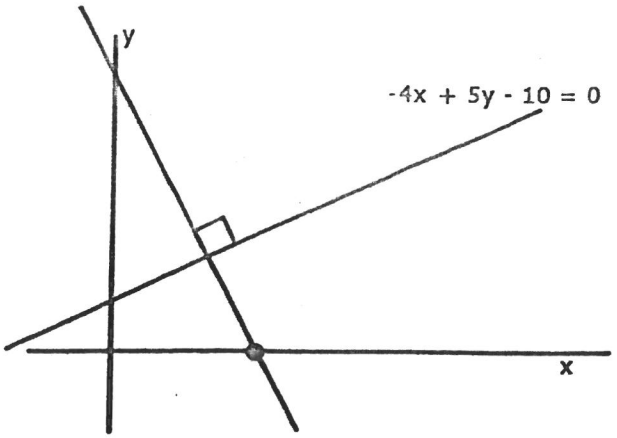
A) $3x + 4y - 8 = 0$

B) $y = \frac{4}{3}x - 4$

C) $-3x + 4y - 8 = 0$

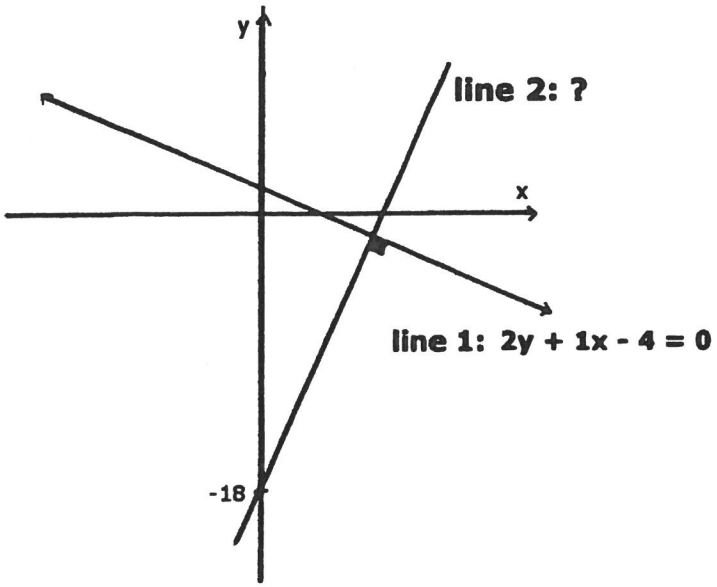
D) $y = -\frac{4}{3}x + 4$

6. Line 'L' has equation $-4x + 5y - 10 = 0$.
What is the x-intercept of the line **perpendicular** to 'L' that passes through point **P (12, 15)**?



Answer: (_____ , _____)

7. What is the x-intercept of line 2?



Answer: (_____ , _____)