

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Period: \_\_\_\_\_

## 2.5 - Graphing in Standard Form

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**Find the x- and y-intercepts of each line.**

1)  $3x - y = 5$

2)  $5x + y = -8$

3)  $8x - 3y = -21$

4)  $5x + 6y = -30$

5)  $3x - 5y = -10$

6)  $9x + 8y = -24$

**Write the slope-intercept form of the equation of each line.**

7)  $x - y = 5$

8)  $5x - 6y = 36$

9)  $4x + 5y = -15$

10)  $x - 4y = 0$

11)  $3x - 2y = 6$

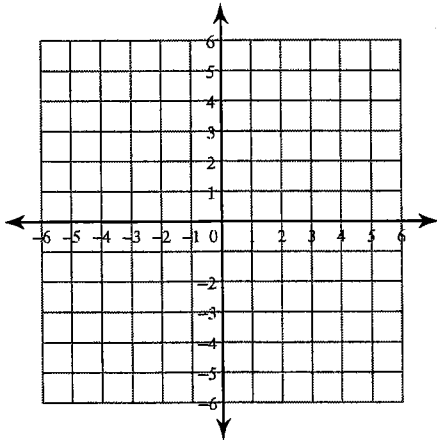
12)  $-10 + x = -2y$

13)  $-5 + y = -8x$

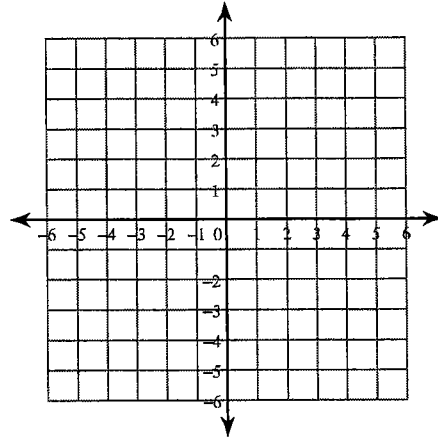
14)  $20 - 5y = -7x$

Sketch the graph of each line. (Hint: Use the x and y intercepts when possible.)

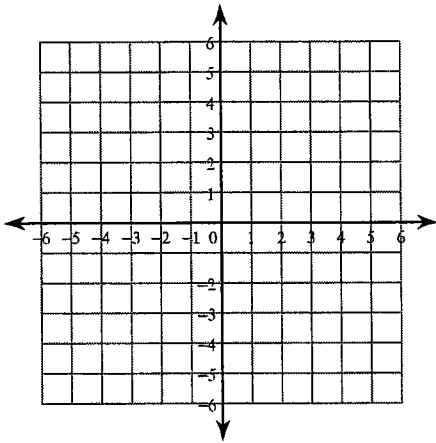
15)  $3x - y = -2$



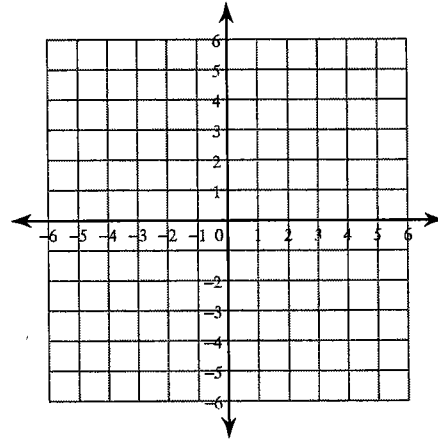
16)  $x - y = -3$



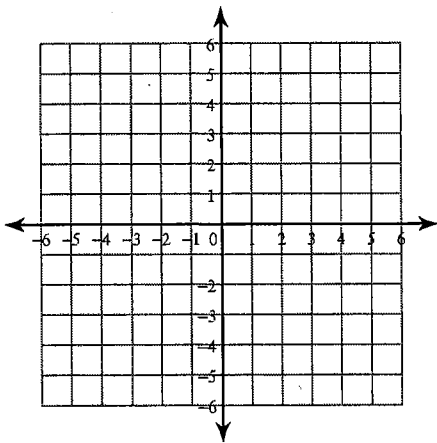
17)  $y = 4$



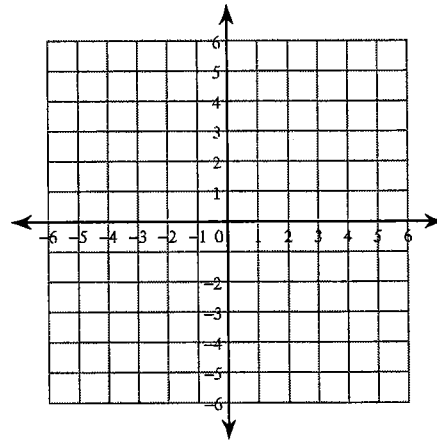
18)  $2x + y = -4$



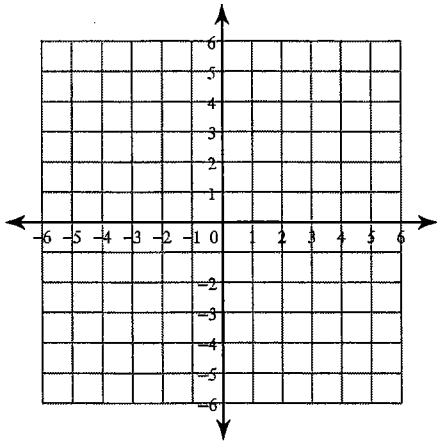
19)  $x + 4y = -12$



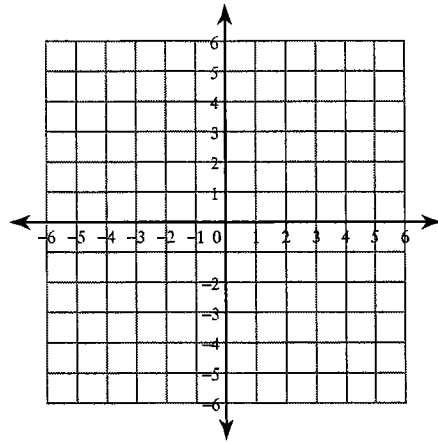
20)  $x + y = -1$



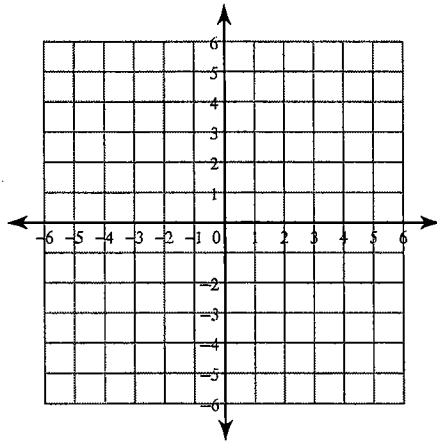
21)  $3x + y = 2$



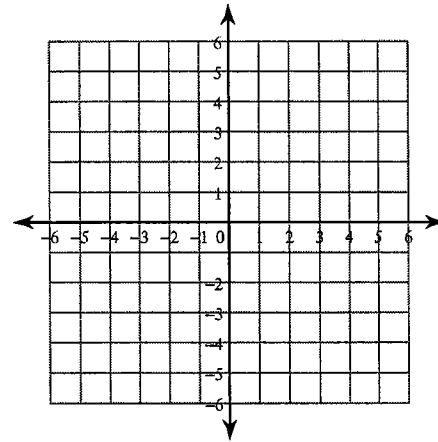
22)  $x - 2y = -6$



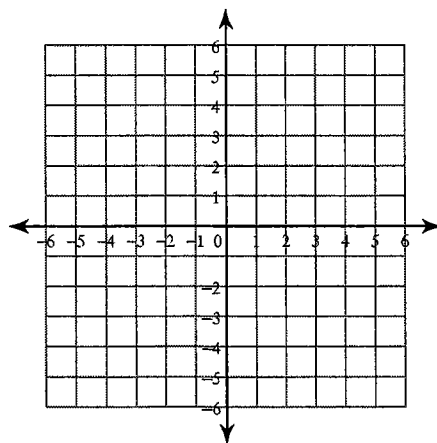
23)  $2x + 5y = 25$



24)  $2x - 5y = 0$



25)  $2x + 5y = -5$



26)  $8x + 3y = -9$

