

Evaluate each using the values given.

1) j^2h use $h = 2$, and $j = 4$

2) $jh - j$ use $h = 2$, and $j = 4$

3) $y^3 - 3x$ use $x = 3$, and $y = 3$

4) $3m - (p - (m - p))$ use $m = 5$, and $p = 4$

5) $y - 2\left(\frac{x - y}{2} - 1\right)$ use $x = 4$, and $y = 2$

Solve each equation.

6) $3x + 3(-4 + 6x) = 135$

7) $4(3k - 2) + k = -86$

8) $4(3r - 4) = -112$

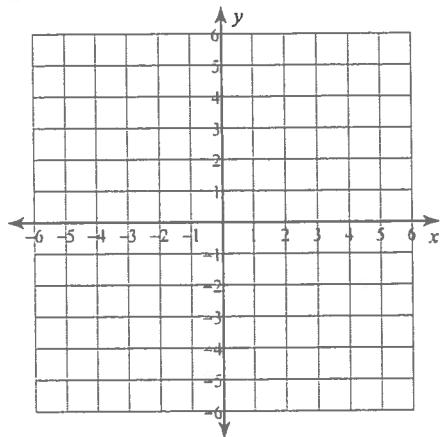
9) $5p + 22 = p + 5(2p - 4)$

10) $-8x + 15 = 4x - 3(x + 4)$

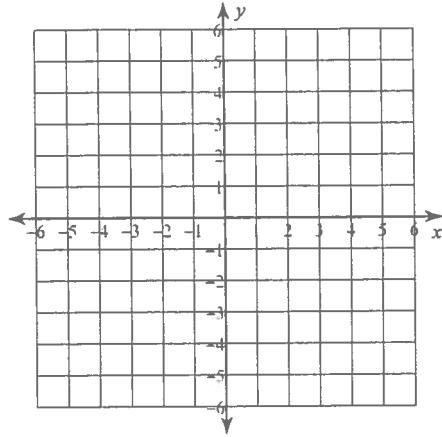
11) $7a + 8 = 8(a + 2)$

Sketch the graph of each line.

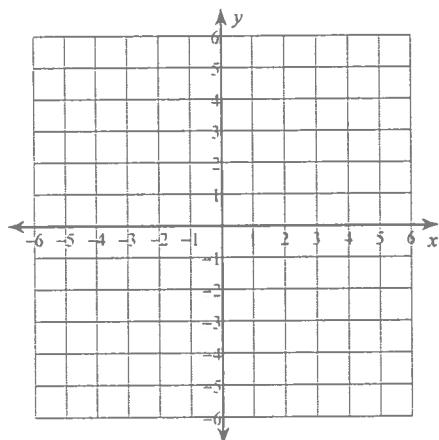
12) $y = \frac{3}{2}x - 5$



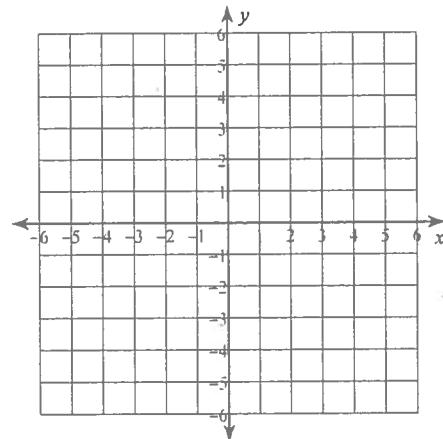
13) $y = -\frac{6}{5}x + 3$



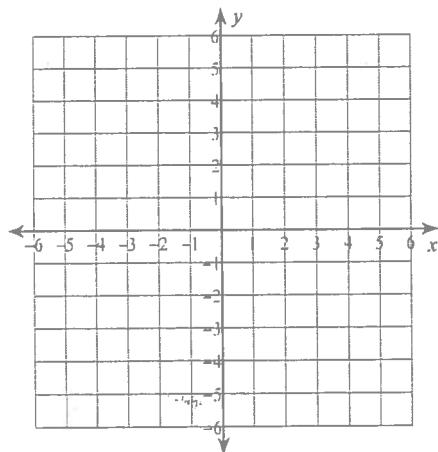
14) $x = 2$



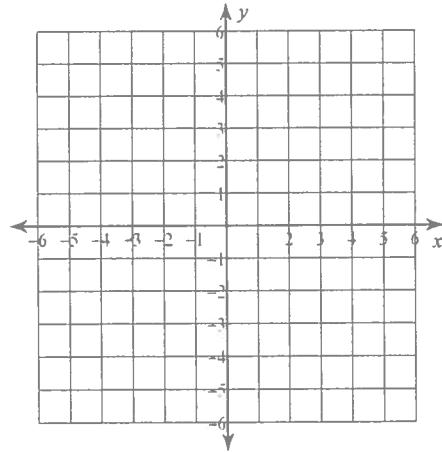
15) $y = 2x + 4$



16) $2x + y = 5$

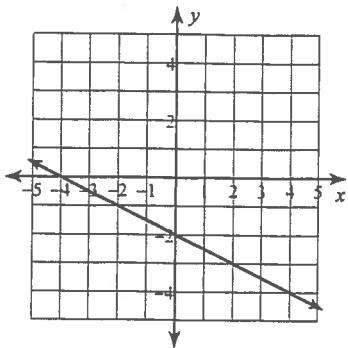


17) $x - y = 3$

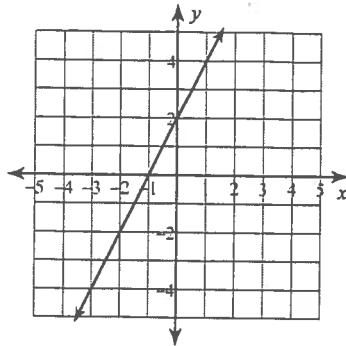


Write the slope-intercept form of the equation of each line.

18)



19)



20) $3x + 4y = 16$

$$4y = -3x + 16$$

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

22) $x - 6y = -18$

23) $3x + 7y = -49$

Write the slope-intercept form of the equation of the line through the given points.

24) through: $(-3, -4)$ and $(0, 3)$

25) through: $(0, -3)$ and $(-2, -2)$

26) through: $(5, -5)$ and $(0, -1)$

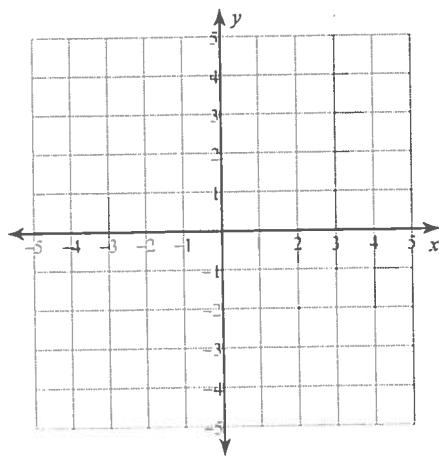
27) through: $(-3, 3)$ and $(0, -1)$

28) through: $(-2, -2)$ and $(-1, 0)$

29) through: $(0, 1)$ and $(-1, 5)$

BONUS: Solve each system by graphing.

30) $y = 7x + 3$
 $y = x - 3$



31) $y = -\frac{5}{4}x - 4$
 $y = \frac{1}{2}x + 3$

