2-3 Graphing Linear Functions

Warm Up

Solve each equation for *y*.

1. $7x + 2y = 6$
2. $\frac{1}{2}y + x = -4$
3. If $3x = 4y + 12$, find y when $x = 0$.
4. If a line passes through $(-5, 0)$ and $(0, 2)$, then it passes through all but which quadrant?

2-4 Writing Linear Functions

Warm Up

Write each function in slope-intercept form.

1. $4x + y = 8$
2. $-y = 3x$
3. $2y = 10 - 6x$

Determine whether each line is vertical or horizontal.

4. $x = \frac{3}{4}$
5. $y = 0$

2-3 Graphing Linear Functions

Warm Up

Solve each equation for *y*.

1. $7x + 2y = 6$ $y = -\frac{7}{2}x + 3$
2. $\frac{1}{2}y + x = -4$ $y = -2x - 8$
3. If $3x = 4y + 12$, find y when $x = 0$. $y = -3$
4. If a line passes through $(-5, 0)$ and $(0, 2)$, then it passes through all but which quadrant? IV

2-4 Writing Linear Functions

Warm Up

Write each function in slope-intercept form.

1. $4x + y = 8$ $y = -4x + 8$
2. $-y = 3x$ $y = -3x$
3. $2y = 10 - 6x$ $y = -3x + 5$

Determine whether each line is vertical or horizontal.

4. $x = \frac{3}{4}$ vertical
5. $y = 0$ horizontal