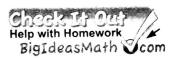
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Vocabulary and Concept Check

- 1. VOCABULARY What type of graph represents the solutions of the equation y = 2x + 4?
- 2. WHICH ONE DOESN'T BELONG? Which equation does not belong with the other three? Explain your reasoning.

$$y = 0.5x - 0.2$$

$$4x + 3 = y$$

$$y = x^2 + 6$$

$$y = 0.5x - 0.2$$
 $4x + 3 = y$ $y = x^2 + 6$ $\frac{3}{4}x + \frac{1}{3} = y$



igsep Practice and Problem Solving

PRECISION Copy and complete the table. Plot the two solution points and draw a line exactly through the two points. Find a different solution point on the line.

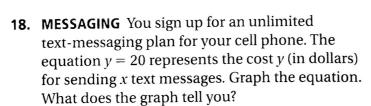
3.
$$y = 3x - 1$$

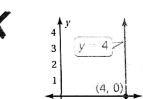
$$y = \frac{1}{3}x + 2$$

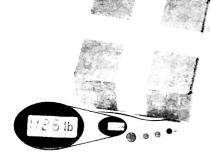
Graph the linear equation. Use a graphing calculator to check your graph, if possible.

- 2 **5.** y = -5x
- **6.** $y = \frac{1}{4}x$
- **7.** y = 5
- **8.** x = -6

- **9.** y = x 3 **10.** y = -7x 1 **11.** $y = -\frac{x}{3} + 4$ **12.** $y = \frac{3}{4}x \frac{1}{2}$
- **13.** $y = -\frac{2}{3}$
- **14.** y = 6.75 **15.** x = -0.5 **16.** $x = \frac{1}{4}$
- 17. ERROR ANALYSIS Describe and correct the error in graphing the equation.







- **19.** MAIL The equation y = 2x + 3 represents the cost y (in dollars) of mailing a package that weighs x pounds.
 - a. Graph the equation.
 - **b.** Use the graph to estimate how much it costs to mail the package.
 - c. Use the equation to find exactly how much it costs to mail the package.