

Solve.

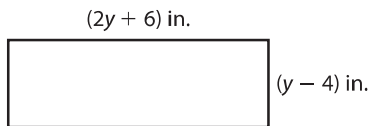
4 Choose *Yes* or *No* to tell whether the equation has the given solution.

- a. $2x + 4 = 3x - 2$; $x = 6$ Yes No
- b. $\frac{1}{4}x + 3 = \frac{3}{4}x + 1$; $x = 8$ Yes No
- c. $3x - 5 = 0.5x$; $x = 2$ Yes No
- d. $\frac{2}{3}(3x + 6) = 3x - 4$; $x = 8$ Yes No

How can you use substitution to solve this problem?



5 The width of this rectangle is $\frac{1}{3}$ of the length. Find the length and the width of the rectangle.



What equation can you write to solve the problem?



Show your work.

Solution: _____
