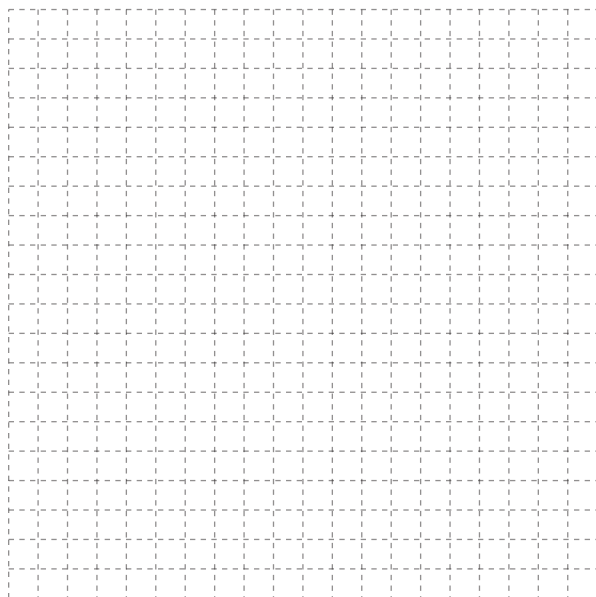## Check Up

1. Solve the following system of equations graphically. Use substitution to verify the solution.

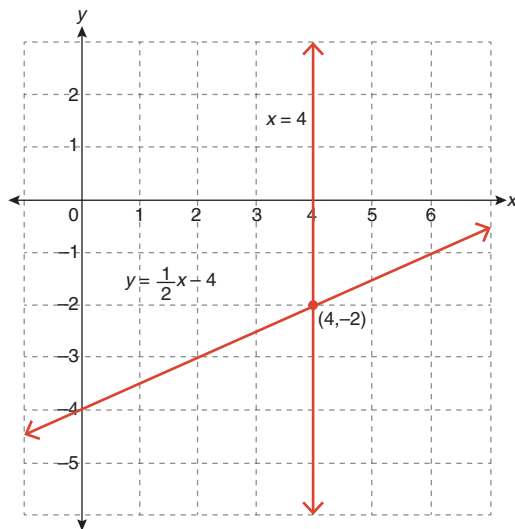 $$y = \frac{1}{2}x - 4$$

    $$x = 4$$

✓ Compare your answer.

1. Solve the following system of equations graphically. Use substitution to verify the solution.

$$y = \frac{1}{2}x - 4$$

$$x = 4$$

Graph the two equations and determine their intersection point.

The point of intersection is at (4,–2), so this is the solution to the system.

Verify the solution.

Check $y = \frac{1}{2}x - 4$

	Left Side	Right Side
	y	$\frac{1}{2}x - 4$
	-2	$\frac{1}{2}(4) - 4$
		$2 - 4$
		-2
	LS = RS	

Check $x = 4$

	Left Side	Right Side
	x	4
	4	
	LS = RS	