



## Vocabulary and Concept Check

Page A20

1. Subtract  $3x$  from each side and divide each side by 2.
2. *Sample answer:*  $3x = x - 2$
3. Add  $3x$  to each side so the constant is by itself.



## Practice and Problem Solving

4.  $x = -2$
5.  $c = -3$
6.  $y = 0$
7.  $a = -\frac{1}{2}$
8.  $w = -2\frac{1}{2}$
9.  $z = -2$
10.  $f = 4$
11.  $p = -8\frac{1}{2}$
12.  $k = -\frac{1}{2}$
13.  $d = -2$
14.  $b = -\frac{4}{5}$
15.  $h = 2\frac{1}{2}$
16. The  $-2x$  should be subtracted.  

$$3x - 7 = -2x + 8$$

$$5x = 15$$

$$x = 3$$
17.  $k = -6$
18.  $g = 3$
19.  $f = -2\frac{2}{7}$
20.  $w = -9.6$
21.  $b = 1$
22.  $h = -10.5$
23. They did not distribute the negative sign on the right side.  

$$2(v - 5) = -(3v + 5)$$

$$2v - 10 = -3v - 5$$

$$5v = 5$$

$$v = 1$$
24. 5 music lessons