

## Extra Practice

# 3.1

Name \_\_\_\_\_

In 1–12, solve the equation by adding or subtracting the same number from both sides.

1.  $x + 2 = 14$

4.  $x + 8 = 7$

7.  $1 = 5 + x$

10.  $-10 = -6 + x$

2.  $x - 3 = 6$

5.  $13 = 6 + x$

8.  $3 = -12 + x$

11.  $-5 + x = -2$

3.  $-1 = x - 4$

6.  $x + 4 = -7$

9.  $x - 3 = -10$

12.  $7 + x = 7$

In 13–24, solve the equation by multiplying or dividing by the same number.

13.  $4x = 12$

16.  $-3x = -18$

19.  $3 = -9x$

22.  $-\frac{1}{2}x = -6$

14.  $-5x = 40$

17.  $5 = \frac{1}{4}x$

20.  $-x = \frac{1}{2}$

23.  $\frac{x}{3} = \frac{1}{6}$

15.  $-32 = 16x$

18.  $-6 = \frac{3}{4}n$

21.  $7 = 35x$

24.  $\frac{x}{-3} = 1$