

# 1.2 Practice



Go to [BigIdeasMath.com](http://BigIdeasMath.com) to get HELP with solving the exercises.

## ▶ Review & Refresh

Solve the equation.

1.  $y + 8 = 3$

2.  $h - 1 = 7.2$

3.  $5 = -2n$

4.  $-3.3m = -1.1$

Write the decimal as a fraction or mixed number in simplest form.

5.  $-0.2$

6.  $3.82$

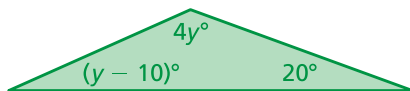
7.  $-0.454$

8.  $-0.125$

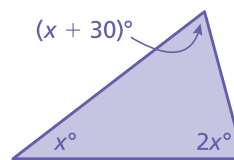
## ▶▶ Concepts, Skills, & Problem Solving

**FINDING ANGLE MEASURES** Find each angle measure in the figure. Use equations to justify your answers. (See Exploration 1, p. 11.)

9.



10.



**SOLVING AN EQUATION** Solve the equation. Check your solution.

11.  $10x + 2 = 32$

12.  $19 - 4c = 17$

13.  $5x + 2x + 4 = 18$

14.  $2 = -9n + 22 - n$

15.  $1.1x + 1.2x - 5.4 = -10$

16.  $\frac{2}{3}h - \frac{1}{3}h + 11 = 8$

17.  $6(5 - 8v) + 12 = -54$

18.  $21(2 - x) + 12x = 44$

19.  $8.5 = 6.5(2d - 3) + d$

20.  $-\frac{1}{4}(x + 2) + 5 = -x$

**MP YOU BE THE TEACHER** Your friend solves the equation. Is your friend correct? Explain your reasoning.

21.

$$\begin{aligned} -2(7 - y) + 4 &= -4 \\ -14 - 2y + 4 &= -4 \\ -10 - 2y &= -4 \\ -2y &= 6 \\ y &= -3 \end{aligned}$$

22.

$$\begin{aligned} 3(y - 1) + 8 &= 11 \\ 3y - 3 + 8 &= 11 \\ 3y + 5 &= 11 \\ 3y &= 6 \\ y &= 2 \end{aligned}$$

23. **MP STRUCTURE** The cost  $C$  (in dollars) of making  $n$  watches is represented by  $C = 15n + 85$ . How many watches are made when the cost is \$385?