

**1-8****Practice: Skills****Solving Addition and Subtraction Equations**

Solve each equation. Check your solution.

1.  $x + 3 = 4$

2.  $y + 6 = 5$

3.  $t - 2 = 2$

4.  $z - 5 = 1$

5.  $a + 4 = -3$

6.  $h - 3 = -6$

7.  $u - 4 = -1$

8.  $8 + d = 14$

9.  $19 = x + 7$

10.  $17 = b - 8$

11.  $-19 = z - 21$

12.  $22 = y + 29$

13.  $16 = 24 + p$

14.  $-17 = 19 + x$

15.  $f - 25 = 35$

16.  $y + 37 = 59$

17.  $s + 46 = 72$

18.  $m + 65 = 11$

19.  $r + 53 = -19$

20.  $n - 75 = 42$

21.  $g - 35 = -62$

22.  $111 = x + 68$

23.  $-54 = -32 + w$

24.  $-27 + z = 47$

**1-9**

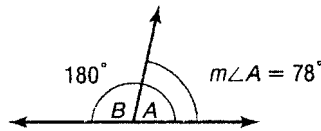
**Word Problem Practice**

**Solving Addition and Subtraction Equations**

**1. AGE** Walter lived 2 years longer than his brother Martin. Walter was 79 at the time of his death. Write and solve an addition equation to find Martin's age at the time of his death.

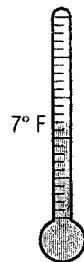
**2. CIVICS** New York has 24 fewer members in the House of Representatives than California. New York has 29 representatives. Write and solve a subtraction equation to find the number of California representatives.

**3. GEOMETRY** Two angles are supplementary if the sum of their measures is  $180^\circ$ . Angles  $A$  and  $B$  are supplementary. If the measure of angle  $A$  is  $78^\circ$ , write and solve an addition equation to find the measure of angle  $B$ .



**4. BANKING** After you withdraw \$40 from your checking account, the balance is \$287. Write and solve a subtraction equation to find your balance before this withdrawal.

**5. WEATHER** After the temperature had risen  $12^\circ\text{F}$ , the temperature was  $7^\circ\text{F}$ . Write and solve an addition equation to find the starting temperature.



**6. CHEMISTRY** The atomic number of mercury is the sum of the atomic number of aluminum and 67. The atomic number of mercury is 80. Write and solve an addition equation to find the atomic number of aluminum.

**7. ELEVATION** The lowest point in Louisiana is 543 feet lower than the highest point in Louisiana. The elevation of the lowest point is  $-8$  feet. Write and solve a subtraction equation to find the elevation of the highest point in Louisiana.

**8. POPULATION** In 2005, the population of Honduras is the population of Haiti decreased by 832,598. The population of Honduras is 6,823,568. Write and solve a subtraction equation to find the population of Haiti.