Name

Practice

**4-2**

**Solving Addition and  
Subtraction Equations**

Explain how to get the variable alone in each equation.

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| **1.** *n* + 10 = 100  *n* + 10 − 10 = 100 − 10 | **2.** *x* − 75 = 49  *x* − 75 + \_\_ = 49 + \_\_ |

Solve each equation and check your answer.

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| --- | --- | --- |
| **3.** *g* − 8 = 25 | **4.** 25 + *y* = 42 | **5.** *r* + 82 = 97 |
| **6.** 30 = *m* − 18 | **7.** 150 = *e* + 42 | **8.** *a* − 51 = 12 |

**9. Writing to Explain** Explain how to solve the equation  
35 + *p* = 92. Then solve.

**Problem Solving: Draw a  
Picture and Write an Equation**

Practice

**4-3**

Draw a picture and write an equation to solve each problem.

**1.** Mike has already driven 176 laps. The race is 250 laps long. How many more laps  
does he have to drive to finish the race?

Draw a picture and write an equation to solve each problem.

**2.** Antonio found 133 golf balls in the water. He picked up a total of 527 lost golf balls.

How many golf balls did he find in the weeds and bushes?

**3.** A lumber company plants 840 trees. If the company cuts down 560 trees, how many  
more trees did it plant than it cut down?

**4.** Juan brought 87 pounds of recyclables to the recycling center. He brought 54  
pounds of glass, and the rest was plastic. Which equation could be used to find *p*,  
the number of pounds of plastic Juan recycled?

|  |  |
| --- | --- |
| **A** 87 + *p* = 54  **B** 54 + *p* = 87 | **C** *p* − 54= 87  **D** *p* + 87= 54 |