Name _____ Date _____ Class _____

LESSON 9-8

Interactive Study Guide

Solving Integer Equations

Adding and Subtracting to Solve Equations

Solve each equation.

A. $5 + x = -3$

$5 + x = -3$ — What is added to x? _____

_____ $=$ _____ — What will you subtract from both sides to undo the addition? _____

$x =$ _____

B. $t - 4 = -2$

$t - 4 = -2$ — What is subtracted from t? _____

_____ _____ — What will you add to both sides to undo the subtraction? _____

$t =$ _____

C. $x - 4 = -12$

$x - 4 = -12$ — What is subtracted from x? _____

_____ _____ — What will you add to both sides to undo the subtraction? _____

$x =$ _____

Multiplying and Dividing to Solve Equations

Solve each equation.

A. $-5g = 20$

$\frac{-5g}{\_\_\_} = \frac{20}{\_\_\_}$ — What is g multiplied by? _____

What will you divide both sides by to undo the multiplication? _____

$g =$ _____

B. $\frac{f}{-6} = -5$

_____ $\bullet \frac{f}{-6} =$ _____ $\bullet -5$ — What is f divided by? _____

What will you multiply both sides by to undo the division? _____

$f =$ _____

C. $j \div 7 = -8$

_____ $\bullet \frac{j}{7} =$ _____ $\bullet -8$ — What is j divided by? _____

What will you multiply both sides by to undo the division? _____

$j =$ _____