Subtracting Integers

Addition is the same as subtracting the opposite.

$$7 + (-4) = 3$$

 $7 - 4 = 3$

$$8 + (-2) = 6$$

Let's not have to memorize a bunch of rules! Subtracting integers just requires you to add the opposite. Change the subtraction sign to addition; change the sign of the next number. (Never change the number before the subtraction sign.)

Examples:

$$3 + (-9) = -6$$

Practice Rewrite the subtraction problems below as addition problems, then solve.

Write a numerical expression for each situation and then simplify.

11) Terry has \$43 in a checking account. If Terry writes a check for \$62, what is the new account balance?

12) Suppose you score 35 points in a game but then you get a 50 point penalty. What is your new score?

Evaluate each expression if m = -2, n = 3, and p = -6.