

## Objective 10

Adding integers.

### Vocab:

**Integer:** The set of whole numbers and their opposites.

Example 1:

#### **PROBLEM**

$$-44 + 89 =$$

#### **STEP 1**

Find the absolute values of the integers.

$$|89| = 89$$

$$|-44| = 44$$

#### **STEP 2**

Compare the absolute values of both numbers.

$$|89| > |-44|$$

#### **STEP 3**

Subtract the smaller absolute value from the greater absolute value.

$$89 - 44 = 45$$

The sign of the number with the greater absolute value will be the sign of the answer. The answer is a positive number.

### Guided Practice:

$$-3 + (-4) = \quad [A] \quad -7 \quad [B] \quad -1 \quad [C] \quad 7 \quad [D] \quad 1$$

$$8 + (-7) =$$

### Independent Practice:

$$82 + (-23) =$$

$$-14 + (-21) =$$

$$-7 + 18 =$$

$$-42 + (-4) =$$

$$97 + (-15) =$$

$$-54 + (-76) =$$

$$44 + (-17) =$$

$$-32 + 29 =$$

### Additional Help:

<http://www.mathgoodies.com/lessons/vol5/addition.html>

[https://www.youtube.com/watch?v=X4sRy7\\_usYI](https://www.youtube.com/watch?v=X4sRy7_usYI)