

**Adding and Subtracting Integers**  
**Reading Algebra: The Symbols + and -**

Name \_\_\_\_\_ Pd \_\_\_\_\_

The symbols + and - are used to express the operations of addition and subtraction.

4 + 5	four plus five
3 - 6	three minus six

The same symbols are used in a different way. They can indicate whether an integer is greater or less than zero.

+9	positive nine
-2	negative two

It is somewhat more precise to read -2 as “negative two” or “the opposite of two” rather than “minus two.” In the same way, the more precise way to read +9 is as “positive nine” rather than “plus nine.”

**Fill in each blank with the terms opposite, plus, minus, positive, and negative to complete each expression. Be as precise as you can.**

1.  $4 - (-3)$                       four minus \_\_\_\_\_ three
2.  $-8 - 7$                           negative eight \_\_\_\_\_ seven
3.  $-(-10)$                           the opposite of \_\_\_\_\_ ten
4.  $+4 + (-3)$                       \_\_\_\_\_ four \_\_\_\_\_ negative three
5.  $-(x - y)$                         the \_\_\_\_\_ of the quantity x \_\_\_\_\_ y

**Write each expression and check your answer on a graphing calculator.**

6. the sum of positive five and negative five \_\_\_\_\_ = 0
7. the positive difference of three and negative two \_\_\_\_\_ = 5
8. the opposite of the five plus three \_\_\_\_\_ = -8
9. five more than negative ten \_\_\_\_\_ = -5
10. four less than negative six \_\_\_\_\_ = -10
11. the opposite of six less than negative two \_\_\_\_\_ = 8
12. negative three minus the opposite of six \_\_\_\_\_ = 3
13. positive twelve increased by negative twenty \_\_\_\_\_ = -8
14. negative five decreased by negative seven \_\_\_\_\_ = 2
15. the sum of the opposite of 1 and the opposite of -4 \_\_\_\_\_ = 3

**Find each sum or difference using a graphing calculator.**

16.  $-94 + (-27) =$  \_\_\_\_\_
17.  $14 - (-8) =$  \_\_\_\_\_
18.  $-47x - 28x =$  \_\_\_\_\_
19.  $-16 - (-38) =$  \_\_\_\_\_
20.  $9 + (-3) + (-10) =$  \_\_\_\_\_