

# Practice

# 3.3

Name \_\_\_\_\_

In Exercises 1–9, find the sum. Write your conclusion as an equation.

1.  $6 + (-2) + (-8)$

2.  $-6 + (-2) + 10$

3.  $6 + (-7) + (-8)$

4.  $-16 + 15 + (-3)$

5.  $-10 + 11 + (-2)$

6.  $-10 + 6 + (-8)$

7.  $-10 + (-6) + (-15)$

8.  $6 + (-5) + (-4)$

9.  $10 + (-2) + 13$

In Exercises 10–13, use a calculator to find the sum.

10.  $-51 + 110 + (-37) + (-87)$

11.  $112 + (-34) + (-38) + 115$

12.  $104 + (-231) + (-325) + 110$

13.  $251 + (-321) + (-45) + 68$

In Exercises 14 and 15, decide whether the sum is positive or negative.

Explain how you can make your decision without actually finding the sum.

14.  $215 + (-312) + 43$

15.  $-38 + 115 + (-42)$

In Exercises 16–25, simplify the expression. Then evaluate the expression when  $x = 3$ .

16. $-6x + 10x + (-2x)$	17. $17x + (-6x) + 4$	18. $20x + (-16x) + (-2x)$
19. $-3x + 12x + 10$	20. $6x + (-2x) + x + 7$	21. $6 + (-3x) + 11x$
22. $4x + (-x) + (-2x)$	23. $9x + 6 + (-3x) + 2$	24. $15x + (-3x) + 7x + 4$
25. $11x + (-6x) + 11$		

*over...*

In Exercises 26–31, complete the statement using  $>$ ,  $<$ , or  $=$ .

26.  $-8 \square -10 + (-2)$

27.  $7 + (-3) \square -8 + (-2)$

28.  $-6 + (-2) \square -4$

29.  $-5 + (-6) \square -6 + 5$

30.  $-11 \square -8 + 19$

31.  $10 + (-2) \square -9 + 1$

32. On Monday you purchased \$100 worth of stock. The value of the stock on Monday was \$6 per share. Tuesday it rose \$2. Wednesday it fell \$4. Thursday it rose \$3. Friday it fell \$2. What is the week ending price per share?

33. You are in an elevator in a 50 story building. You are on the 25th floor. You remain on the elevator as passengers get on and off. What floor are you on an hour later, if the elevator moves as follows: up 12, down 23, up 35, down 12, down 3, and up 16?