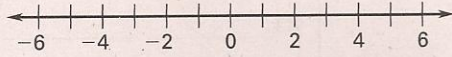


Chapter Test B

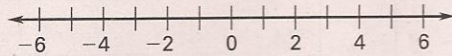
For use after Chapter 2

Graph the numbers on a number line.

- 1.
- -0.6
- and
- 2.1



- 2.
- $\frac{3}{10}$
- and
- $-\frac{4}{9}$

**Write the numbers in increasing order.**

- 3.
- $1.5, -2.4, 2.1, -1.6, 3.3$
- 4.
- $2\frac{5}{9}, 2.5, -1.25, -1\frac{1}{3}, -1\frac{2}{9}$

Find the value of the expression.

5. $|-4.2| - 6.5$ 6. $-8 + 6 + (-9)$
 7. $-4.5 - (-6.2) + 1.7$ 8. $(-1.7) + |-5.8 - 6.2|$
 9. $16.23 - (-14.2) + 9.3$ 10. $|2 - (-1) + 4|$

11. A telemarketing company had a loss of \$2113.15 in July, a loss of \$597.11 in August, and a profit of \$4121.55 in September. Did the company make a profit during the 3-month period? If so, what was the profit?

Evaluate the expression for the given value of the variable.

12. $4 + x + (-7) + (-3)$ when $x = 3$
 13. $-4x^2 - 6$ when $x = -2$
 14. $2|3x - 5|$ when $x = -3$ 15. $|6 - x| + 4$ when $x = 5$
 16. $\frac{3a - 7}{2}$ when $a = 4$ 17. $\frac{a + 3b}{5}$ when $a = -3$ and $b = 4$

Add the matrices.

$$18. \begin{bmatrix} -7 & 1 & 2 \\ 9 & -21 & 5 \\ -10 & 8 & 10 \end{bmatrix} + \begin{bmatrix} -8 & -11 & 1 \\ 12 & -4 & -1 \\ -2 & -10 & -9 \end{bmatrix}$$

Answers

1. Use number line at left.
 2. Use number line at left.
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____
 9. _____
 10. _____
 11. _____
 12. _____
 13. _____
 14. _____
 15. _____
 16. _____
 17. _____
 18. Use space at left.