

Unit 1 Objective 5 Remediation

Substitute Values into Algebraic Expressions

-To evaluate expressions substitute the values into the expression then calculate answer.

Example : $5x - 7$ when $x = 2$ and $x = 6$

$$5(2) - 7$$

$$5(6) - 7$$

$$10 - 7 = 3$$

$$30 - 7 = 23$$

Evaluate each expression when the variable is 1, 2, 3, and 4.

1) $7t$ _____

2) $z + 8$ _____

3) $3x - 2$ _____

4) $12y + 1$ _____

5) $10 - k$ _____

6) $2k + 5$ _____

Evaluate each expression when $x=2$, $y=3$ and $z = 4$

7) $(x + y) - z$ _____ 8) $x^2 + y^2 - x$ _____

9) $2x + 5y - 2z$ _____ 10) $2[4xz - 2y] - 3$ _____

11) $xyz + xy - 2xz$ _____ 12) $3x(2y - x) + 6 \cdot 2$ _____

Evaluate exercises 7-12 again with values $x=3$, $y=2$ and $z=0$

7) _____ 8) _____

9) _____ 10) _____

11) _____ 12) _____