Extra Practice 3

Lesson 1.3: Algebraic Expressions

1. Write an algebraic expression for each statement.
    a) Nine more than a number
    b) Eighteen times a number
    c) A number divided by seven
    d) Twelve less than a number
    e) Six more than eleven times a number
    f) Eight times a number is subtracted from 23
    g) Thirteen subtracted from the product of three times a number

2. Write each algebraic expression in words.
    Then evaluate each expression for $n = 6$.

    a) $4n$ **b)** $n + 8$ **c)** $\frac{n}{2}$

    d) $7 + 3n$ **e)** $10n - 15$ **f)** $50 - 8n$

3. A person earns \$6/h shovelling snow. Find the money earned for each time.
    a) 4 h **b)** 9 h **c)** t hours

4. Which algebraic expression can be used to describe each phrase?
    Circle the correct answer.

    a) A number decreased by 6 $n - 6$ $6 - n$ $\frac{n}{6}$

    b) A number divided by 2 $a + \frac{1}{2}$ $\frac{1}{2} - a$ $\frac{a}{2}$

    c) Double a number, then subtract 1. $2x - 1$ $1 - 2x$ $x^2 - 1$

    d) Five less than four times a number $5 - 4n$ $4n - 5$ $4(n - 5)$

    e) Twelve added to twice a number $2n + 12$ $2(n + 12)$ $12 - 2n$