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EVALUATE EXPRESSIONS: Worksheet 4

Evaluate the following algebraic expressions.

1) $y + 13$ if $y = 9$

2) $v - 11$ if $v = 33$

3) $x - 41$ if $x = 49$

4) $t \div 6$ if $t = 30$

5) $11x - 3$ if $x = 4$

6) $7a + 1$ if $a = 8$

7) $w^2 + 8x$ if $w = 4, x = 8$

8) $\dfrac{b}{5} + 9$ if $b = 15$

9) $7a^2 + b - 3c$ if $a = 1, b = 12, c = 2$

10) $x^3 + 5y - 3z$ if $x = 10, y = 100, z = 20$

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Evaluate the following algebraic expressions.

1) $y + 13$ if $y = 9$ $y + 13 = 9 + 13 = 22$

2) $v - 11$ if $v = 33$ $v - 11 = 33 - 11 = 22$

3) $x - 41$ if $x = 49$ $x - 41 = 49 - 41 = 8$

4) $t \div 6$ if $t = 30$ $t \div 6 = 30 - 6 = 5$

5) $11x - 3$ if $x = 4$ $11x - 3 = 11(4) - 3 = 44 - 3 = 41$

6) $7a + 1$ if $a = 8$ $7a + 1 = 7(8) + 1 = 56 + 1 = 57$

7) $w^2 + 8x$ if $w = 4, x = 8$ $w^2 + 8x = 4^2 + 8(8) = 16 + 64 = 80$

8) $\dfrac{b}{5} + 9$ if $b = 15$ $\dfrac{b}{5} + 9 = \dfrac{15}{5} + 9 = 3 + 9 = 12$

9) $7a^2 + b - 3c$ if $a = 1, b = 12, c = 2$ $7a^2 + b - 3c = 7(1)^2 + 12 - 3(2) =$
$7(1) + 12 - 6 = 7 + 12 - 6 = 19 - 6 = 13$

10) $x^3 + 5y - 3z$ if $x = 10, y = 100, z = 20$ $x^3 + 5y - 3z = 10^3 + 5(100) - 3(20) =$
$1,000 + 500 - 60 = 1,500 - 60 = 1,440$