Evaluating an algebraic expression with two operations: Worksheet 3.1

Evaluate the expressions for the given values of the variable

1. $s + 2t$; $s = 3$, $t = 1$

2. $p + \dfrac{q}{3}$, $p = 4$, $q = 6$

3. $a - \dfrac{b}{2}$, $a = 7$, $b = 8$

4. $m + 3n$; $m = 2$, $n = 2$

5. $j - 5k$; $j = 12$, $k = 1$

6. $u + \dfrac{v}{4}$, $u = 4$, $v = 16$

7. $2s + t$; $s = 1$, $t = 1$

8. $x - \dfrac{y}{5}$, $x = 6$, $y = 10$

9. $c + \dfrac{d}{2}$, $c = 4$, $d = 6$

10. $4p - q$; $p = 3$, $q = 5$

Solutions: Worksheet 3.1

1. $s + 2t = 3 + 2(1) = 5$

2. $p + \dfrac{q}{3} = 4 + (6/3) = 6$

3. $a - \dfrac{b}{2} = 7 - (8/2) = 7 - 4 = 3$

4. $m + 3n = 2 + 3(2) = 8$

5. $j - 5k = 12 - 5(1) = 7$

6. $u + \dfrac{v}{4} = 4 + (16/4) = 8$

7. $2s + t = 2(1) + 1 = 3$

8. $x - \dfrac{y}{5} = 6 - (10/5) = 4$

9. $c + \dfrac{d}{2} = 4 + (6/2) = 7$

10. $4p - q = 4(3) - 5 = 7$