Evaluating Algebraic Expressions

1)   Evaluate $5k - k^2 + 6$ by the given values

   i) $k = 5$ ii) $k = -9$ iii) $k = 1.6$

2)   Evaluate $v^3 - 2$ by the given values

   i) $v = -1$ ii) $v = 3.5$ iii) $v = 4$

3)   Evaluate $(p + q)(r - s)$ by the given values

   i) $p = 4 , q = 5$ ii) $p = -2.1 , q = -1$ iii) $p = 2 , q = 7$
        $r = 1 , s = 3$ $r = 6 , s = -4$ $r = -7 , s = 0$

4)   Evaluate $4g + h$ by the given values

   i) $g = 1$ ii) $g = -4.5$ iii) $g = 3$
        $h = -8$ $h = -5$ $h = 6$

Evaluating Algebraic Expressions

Answer key

1) Evaluate $5k - k^2 + 6$ by the given values

     i) $k = 5$ ii) $k = -9$ iii) $k = 1.6$

     6   **−120**   **11.44**

2) Evaluate $v^3 - 2$ by the given values

     i) $v = -1$ ii) $v = 3.5$ iii) $v = 4$

     −3   **40.875**   **62**

3) Evaluate $(p + q)(r - s)$ by the given values

     i) $p = 4$, $q = 5$ ii) $p = -2.1$, $q = -1$ iii) $p = 2$, $q = 7$
            $r = 1$, $s = 3$ $r = 6$, $s = -4$ $r = -7$, $s = 0$

     −18   **−31**   **−63**

4) Evaluate $4g + h$ by the given values

     i) $g = 1$ ii) $g = -4.5$ iii) $g = 3$
            $h = -8$ $h = -5$ $h = 6$

     −4   **−23**   **18**