# *Evaluating Algebraic Expressions*

Evaluate each algebraic expression.

1) $a + b$    at    $a = -5.1$ , $b = 11.8$

2) $\dfrac{uv}{w}$    at    $u = 4.5$ , $v = 3.6$ , $w = -1.2$

3) $1 + p - q^2$    at    $p = -3.1$ , $q = -1.8$

4) $c^2 - 2cd + d^2$    at    $c = 5.9$ , $d = 7.3$

5) $x^2 - y + 2z$    at    $x = 1.5$ , $y = -2.3$ , $z = 4.2$

6) $m^3 - 5n$    at    $m = 2.7$ , $n = 0.4$

7) $(3g + h)(h - g)$    at    $g = 2.5$ , $h = -6.2$

8) $r^2 s + t$    at    $r = -3.8$ , $s = 5.5$ , $t = 8.4$

# *Evaluating Algebraic Expressions*

## Answer key

Evaluate each algebraic expression.

1) $a + b$ at $a = -5.1$, $b = 11.8$

**6.7**

2) $\dfrac{uv}{w}$ at $u = 4.5$, $v = 3.6$, $w = -1.2$

**−13.5**

3) $1 + p - q^2$ at $p = -3.1$, $q = -1.8$

**−5.34**

4) $c^2 - 2cd + d^2$ at $c = 5.9$, $d = 7.3$

**1.96**

5) $x^2 - y + 2z$ at $x = 1.5$, $y = -2.3$, $z = 4.2$

**12.95**

6) $m^3 - 5n$ at $m = 2.7$, $n = 0.4$

**17.683**

7) $(3g + h)(h - g)$ at $g = 2.5$, $h = -6.2$

**−11.31**

8) $r^2s + t$ at $r = -3.8$, $s = 5.5$, $t = 8.4$

**87.82**