Evaluating Algebraic Expressions

Evaluate each algebraic expression.

1) $2y + 3$ when $y = -3.2$

2) $k^2 - 5k + 2$ when $k = 1.9$

3) d^3 when $d = 2.5$

4) $7a - 11$ when $a = -4.1$

5) $4 + g^2$ when $g = 0.6$

6) $\dfrac{3.9}{t} - 1$ when $t = 1.3$

7) $n - 10$ when $n = -5.4$

8) $(x + 2)(x - 4)$ when $x = 6.5$

Evaluating Algebraic Expressions

Answer key

EAE:05

Evaluate each algebraic expression.

1) $2y + 3$ when $y = -3.2$

−3.4

2) $k^2 - 5k + 2$ when $k = 1.9$

−3.89

3) d^3 when $d = 2.5$

15.625

4) $7a - 11$ when $a = -4.1$

−39.7

5) $4 + g^2$ when $g = 0.6$

4.36

6) $\dfrac{3.9}{t} - 1$ when $t = 1.3$

2

7) $n - 10$ when $n = -5.4$

−15.4

8) $(x + 2)(x - 4)$ when $x = 6.5$

21.25