



Evaluating Algebraic Expressions

Name _____

Score _____

EAE:14

Evaluate each algebraic expression.

1) $u^2 - vw + 3v$ at $u = 4.6, v = 1.2, w = -2.5$

5) $7(m + n)$ at $m = -3.1, n = 1.9$

2) $(a + 3)(4 - b)$ at $a = -5.7, b = 2.8$

6) $p^3 - q^2 - r$ at $p = 2.2, q = 1.5, r = 4.5$

3) $5 + xy + z$ at $x = 8.5, y = 6.6, z = -7.4$

7) $\frac{d + c}{c - d}$ at $c = 9.7, d = -4.3$

4) $s + t$ at $s = 5.9, h = 8.8$

8) $gh^2 - hg^2$ at $g = -2.2, h = -1.4$



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Answer key

EAE:14

Evaluate each algebraic expression.

1) $u^2 - vw + 3v$ at $u = 4.6, v = 1.2, w = -2.5$

27.76

2) $(a + 3)(4 - b)$ at $a = -5.7, b = 2.8$

-3.24

3) $5 + xy + z$ at $x = 8.5, y = 6.6, z = -7.4$

53.7

4) $s + t$ at $s = 5.9, h = 8.8$

14.7

5) $7(m + n)$ at $m = -3.1, n = 1.9$

-8.4

6) $p^3 - q^2 - r$ at $p = 2.2, q = 1.5, r = 4.5$

3.898

7) $\frac{d + c}{c - d}$ at $c = 9.7, d = -4.3$

-0.386

8) $gh^2 - hg^2$ at $g = -2.2, h = -1.4$

2.464