Evaluating Algebraic Expressions

Name _____

Score _____

EAE:12

Evaluate each algebraic expression.

1) $m^2 - n^3$ at $m = 3, n = -1$

2) $uv + \frac{w}{v}$ at $u = 4, v = 6, w = 2$

3) $\frac{7a^2}{b}$ at $a = -3, b = 12$

4) $3g - 4h + 5$ at $g = 5, h = 10$

5) $(x + 10)(y - 2)$ at $x = -13, y = -7$

6) $\frac{c}{d} - 1$ at $c = 8, d = 11$

7) $p + qr^2 - s$ at $p = 7, q = -1$
$r = -2, s = -4$

8) $2(y + z)$ at $y = 5, z = 14$

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Answer key

EAE:12

Evaluate each algebraic expression.

1) $m^2 - n^3$ at $m = 3, n = -1$

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2) $uv + \frac{w}{v}$ at $u = 4, v = 6, w = 2$

$24\frac{1}{3}$

3) $\frac{7a^2}{b}$ at $a = -3, b = 12$

$5\frac{1}{4}$

4) $3g - 4h + 5$ at $g = 5, h = 10$

–20

5) $(x + 10)(y - 2)$ at $x = -13, y = -7$

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6) $\frac{c}{d} - 1$ at $c = 8, d = 11$

$-\frac{3}{11}$

7) $p + qr^2 - s$ at $p = 7, q = -1$
$r = -2, s = -4$

7

8) $2(y + z)$ at $y = 5, z = 14$

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