



Evaluating Algebraic Expressions

Name _____

Score _____

EAE:08

Evaluate each algebraic expression.

1) $m^2 - 1$ when $m = -\frac{2}{3}$

2) $6v$ when $v = \frac{4}{9}$

3) $(2g + 1)(3 - g)$ when $g = -\frac{1}{2}$

4) $\frac{3}{w}$ when $w = \frac{3}{7}$

5) $5c + 2$ when $c = -\frac{1}{3}$

6) $-7 - n$ when $n = \frac{5}{6}$

7) $10y + 19$ when $y = \frac{4}{5}$

8) k^3 when $k = \frac{3}{4}$



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Answer key

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Evaluate each algebraic expression.

1) $m^2 - 1$ when $m = -\frac{2}{3}$

$-\frac{5}{9}$

2) $6v$ when $v = \frac{4}{9}$

$2\frac{2}{3}$

3) $(2g + 1)(3 - g)$ when $g = -\frac{1}{2}$

0

4) $\frac{3}{w}$ when $w = \frac{3}{7}$

7

5) $5c + 2$ when $c = -\frac{1}{3}$

$\frac{1}{3}$

6) $-7 - n$ when $n = \frac{5}{6}$

$-7\frac{5}{6}$

7) $10y + 19$ when $y = \frac{4}{5}$

27

8) k^3 when $k = \frac{3}{4}$

$\frac{27}{64}$