Evaluating Algebraic Expressions

Evaluate each algebraic expression.

1)   5k   when $k = \dfrac{1}{10}$

2)   2(x – 6)   when $x = -\dfrac{2}{3}$

3)   11 – b   when $b = \dfrac{9}{5}$

4) $(1 - 4q)^3$ when $q = \dfrac{3}{4}$

5) $\dfrac{3m}{7}$ when $m = \dfrac{5}{6}$

6)   16 – 3d   when $d = \dfrac{5}{3}$

7) u^2 when $u = \dfrac{1}{2}$

8)   3z + 2   when $z = -\dfrac{8}{9}$

Evaluating Algebraic Expressions

Answer key

EAE:07

Evaluate each algebraic expression.

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1) $5k$ when $k = \dfrac{1}{10}$

   $\dfrac{1}{2}$

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2) $2(x - 6)$ when $x = -\dfrac{2}{3}$

   $-13\dfrac{1}{3}$

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3) $11 - b$ when $b = \dfrac{9}{5}$

   $9\dfrac{1}{5}$

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4) $(1 - 4q)^3$ when $q = \dfrac{3}{4}$

   -8

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5) $\dfrac{3m}{7}$ when $m = \dfrac{5}{6}$

   $\dfrac{5}{14}$

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6) $16 - 3d$ when $d = \dfrac{5}{3}$

   11

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7) u^2 when $u = \dfrac{1}{2}$

   $\dfrac{1}{4}$

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8) $3z + 2$ when $z = -\dfrac{8}{9}$

   $-\dfrac{2}{3}$