

# Evaluating Expressions Extra Practice

Use substitution to evaluate each expression for the given value of the variable. Show your work!

<p>1) <math>9y - 3</math> (for <math>y = 11</math>)</p> $9 \cdot 11 - 3$ $\checkmark$ $99 - 3$ $(96)$	<p>2) <math>7m</math> (for <math>m = 5</math>)</p> $7 \cdot 5$ $(35)$	<p>3) <math>d^2 - 2d</math> (for <math>d = 9</math>)</p> $9^2 - 2 \cdot 9$ $81 - 2 \cdot 9$ $81 - 18$ $(63)$
<p>4) <math>6q + 39</math> (for <math>q = 10</math>)</p> $6 \cdot 10 + 39$ $\checkmark$ $60 + 39$ $(99)$	<p>5) <math>6v</math> (for <math>v = 3</math>)</p> $6 \cdot 3$ $(18)$	<p>6) <math>j^3 + 11</math> (for <math>j = 8</math>)</p> $8^3 + 11$ $512 + 11$ $(523)$
<p>7) <math>2k^2 + 5k + 2</math> (for <math>k = 11</math>)</p> $2 \cdot 11^2 + 5 \cdot 11 + 2$ $2 \cdot 121 + 5 \cdot 11 + 2$ $\checkmark$ $242 + 5 \cdot 11 + 2$ $242 + 55 + 2$ $(299)$	<p>8) <math>\frac{n}{3} + n</math> (for <math>n = 27</math>)</p> $\frac{27}{3} + 27$ $9 + 27$ $(36)$	<p>9) <math>a \div 3</math> (for <math>a = 42</math>)</p> $42 \div 3$ $(14)$
<p>10) <math>4(11 + p) + 13</math> (for <math>p = 89</math>)</p> $4(11 + 89) + 13$ $\checkmark$ $4(100) + 13$ $\checkmark$ $400 + 13$ $(413)$	<p>11) <math>h^3 - 2</math> (for <math>h = 7</math>)</p> $7^3 - 2$ $343 - 2$ $(341)$	<p>12) <math>14z - 1</math> (for <math>z = 9</math>)</p> $14 \cdot 9 - 1$ $\checkmark$ $126 - 1$ $(125)$