

**EXPRESSIONS**

An **expression** is a mathematical phrase that may contain a combination of numbers, variables and operation signs. An algebraic expression can have many different values, depending on the numbers assigned to the variables. Replacing a variable by a number is called **substitution**.

**EASY - one variable**

<p>1. <math>x + 2, x = 2</math></p> $x + 2 = 2 + 2$ $= 4$	<p>2. <math>4y, y = 3</math></p> $4y = 4(3)$ $= \boxed{12}$	<p>3. <math>t - 1, t = 7</math></p> $t - 1 = 7 - 1$ $= \boxed{6}$
<p>4. <math>8 - w, w = 2</math></p> $8 - w = 8 - 2$ $= \boxed{6}$	<p>5. <math>4m + 2, m = 3</math></p> $4m + 2 = 4(3) + 2$ $= 12 + 2$ $= \boxed{14}$	<p>6. <math>6t - 2, t = 5</math></p> $6t - 2 = 6(5) - 2$ $= 30 - 2$ $= \boxed{28}$
<p>7. <math>9 - 2x, x = 4</math></p> $9 - 2x = 9 - 2(4)$ $= 9 - 8$ $= \boxed{1}$	<p>8. <math>6r + 8, r = 7</math></p> $6r + 8 = 6(7) + 8$ $= 42 + 8$ $= \boxed{50}$	<p>9. <math>x^2 - 3, x = 7</math></p> $x^2 - 3 = 7^2 - 3$ $= 49 - 3$ $= \boxed{46}$
<p>10. <math>4 + y^2, y = 3</math></p> $4 + y^2 = 4 + 3^2$ $= 4 + 9$ $= \boxed{13}$	<p>11. <math>\frac{24}{y}, y = 3</math></p> $\frac{24}{y} = \frac{24}{3}$ $= \boxed{8}$	<p>12. <math>\frac{x}{6}, x = 48</math></p> $\frac{x}{6} = \frac{48}{6}$ $= \boxed{8}$