

Evaluating Expressions

Ex. 1 Evaluate $x+7$, when $x=4$

$x+7$ ← write the expression

$4+7$ ← substitute

11 ← evaluate

Ex. 2 Evaluate $9a-3b$, when $a=4, b=3$

$9a-3b$ ← write the expression

$9 \cdot 4 - 3 \cdot 3$ ← substitute

$36-9$

27 ← evaluate

Ex. 3 Evaluate $\frac{x+3}{y+1}$, when $x=18$, and $y=2$

$\frac{x+3}{y+1}$ ← write the expression

$\frac{18+3}{2+1}$ ← Substitute

$\frac{6}{3}$

2 ← evaluate

Ex. 4 Evaluate M^3-n^2 , when $m=3, n=4$

M^3-N^2 ← Write the expression

3^3-4^2 ← Substitute

$27-16$

11 ← Evaluate