

Evaluating Algebraic Expressions

- 1) For what value of d does the expression $d - 10$ equal 5?
- i) $d = -20$ ii) $d = 15$ iii) $d = -15$ iv) $d = 25$
- 2) At what value of r does the expression $3 - 4r$ equal 7?
- i) $r = -4$ ii) $r = 4$ iii) $r = -3$ iv) $r = -1$
- 3) For what value of m does the expression $\frac{m^2}{4} + 9$ equal 25?
- i) $m = -8$ ii) $m = -4$ iii) $m = -16$ iv) $m = 4$
- 4) At what values of x and y does the expression $\frac{2x}{3} + y - 6$ equal -9 ?
- i) $x = -12, y = 6$ ii) $x = 12, y = 5$ iii) $x = -12, y = 5$ iv) $x = 6, y = -5$
- 5) For what value of c does the expression $16 - c$ equal 14?
- i) $c = 2$ ii) $c = -6$ iii) $c = -2$ iv) $c = 5$
- 6) At what values of a and b does the expression $a^2 - 4b$ equal 8?
- i) $a = -1, b = 2$ ii) $a = 7, b = 6$ iii) $a = -2, b = 1$ iv) $a = -6, b = 7$
- 7) For what value of p does the expression $p + 11$ equal 20?
- i) $p = 6$ ii) $p = 9$ iii) $p = 1$ iv) $p = 8$