

NAT 5 Home Work 2

ANSWERS

ALGEBRAIC EXPRESSIONS with BRACKETS

1. $7s - 27$

2. $x^4 + 2x$

3. (a) $s^2 + 10s - 24$ (b) $6w^2 - 13w - 8$ (c) $16x^2 - 24x + 9$

4. $2x^3 - 7x^2 + 4x + 4$

FACTORISING an ALGEBRAIC EXPRESSION

1. (a) $y(y + 5)$ (b) $(2x - 7)(2x + 7)$

2. (a) $(x + 5)(x + 5)$ (b) $(x - 12)(x + 2)$ (c) $(k + 6)(k - 1)$

3. (a) $(m - 3)(m + 1)$ (b) $(7w - 9)(w + 1)$ (c) $(4a - 3)(3a + 4)$

COMPLETING the SQUARE

1. (a) $(x + 3)^2 - 12$ (b) $(x - 2)^2 - 3$