



SPTA

N5 Homework

Factorising (A)



Show all working – NO calculator required.

Marks

Expand and Simplify each of the following expressions:

1. a) $6 - 3(5p + 2)$ (b) $(2w - 5)(7w + 3)$ (c) $(x - 3)(4x^2 - 3x + 7)$ (6)

Fully Factorise each of the following expressions:

2. a) $y^2 + 5y$ (b) $3bc - 15b$ (c) $m^2 - 25$
d) $4x^2 - 81$ (e) $5s^2 - 20$ (f) $9x^3 - 36x$ (8)

3. a) $x^2 + 10x + 25$ (b) $k^2 + 5k - 6$ (c) $4x^2 - 11x + 6$
d) $7w^2 - 2w - 9$ (e) $3m^2 - 6m - 9$ (f) $12x^2 + 16x + 4$
g) $3 - 3x - 36x^2$ (14)

4. a) $x^5 - 81x$ (b) $a^2 + 3ab + 2b^2$ (6)

Total Marks: 34