N5

SPTA
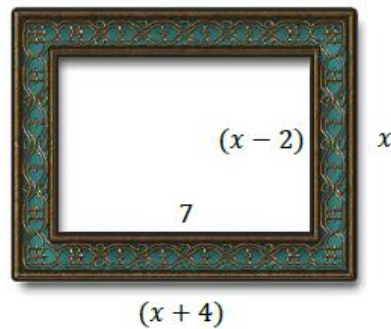## N5 Homework
Expand Brackets (B)

Show all working – <u>NO</u> calculator required.

<u>**Marks**</u>

1. Expand and simplify $(x + 3)(2x^2 - 4x - 5)$ **(3)**

2. Expand and simplify $(2x + 3)(x - 1) + 3(x^2 - 4)$ **(3)**

3. Expand and simplify $(3x + 2)(x^2 - 5x + 2)$ **(3)**

4. Multiply out the brackets and collect like terms $(x - 3)(x^2 + x - 4)$ **(3)**

5. Multiply out the brackets and collect like terms $(2x + 5)(3x - 1)$ **(2)**

6. Expand and simplify: **a)** $6(b + 3) + 2(2b - 5)$ **(b)** $5(m - 1) - 4(2m + 3)$ **(6)**

7. Find the area of this picture frame in terms of x:

$(x - 2)$ x

7

$(x + 4)$

(4)

<u>**Total Marks: 24**</u>