<u>**Samples**</u>   <u>**Expand brackets SOLUTIONS**</u>

1. $(4z - 1)(1 - z) = 4z \times 1 + 4z \times (-z) - 1 \times 1 - 1 \times (-z) = 4z - 4z^2 - 1 + z = -4z^2 + 5z - 1$

2. $(3z + 2)(2z - 5) = 3z \times 2z + 3z \times (-5) + 2 \times 2z + 2 \times (-5) = 6z^2 - 15z + 4z - 10 = 6z^2 - 11z - 10$

3. $(5x - 4)(6 + 7x) = 5x \times 6 + 5x \times 7x - 4 \times 6 - 4 \times 7x = 30x + 35x^2 - 24 - 28x = 35x^2 + 2x - 24$

4. $(-1 - 3z)(4 - 4z) = -1 \times 4 - 1 \times (-4z) - 3z \times 4 - 3z \times (-4z) = -4 + 4z - 12z + 12z^2 = 12z^2 - 8z - 4$

5. $(5z + 2)(-6z - 6) = 5z \times (-6z) + 5z \times (-6) + 2 \times (-6z) + 2 \times (-6) = -30z^2 - 30z - 12z - 12 = -30z^2 - 42z - 12$