

**Ex1**

Factorise the following quadratic expression into double brackets.

$$x^2 + 9x + 18$$

**Ex2**

Factorise the following quadratic expression into double brackets.

$$x^2 - 5x + 6$$

**Q1**

Factorise the following quadratic expressions into double brackets.

**[a]**  $x^2 - 5x + 6$

**[b]**  $x^2 + 14x + 48$

**[c]**  $x^2 - 8x + 12$

**[d]**  $x^2 + 19x + 88$

**[e]**  $x^2 - 21x + 110$

**[f]**  $x^2 + 2x + 1$

**[g]**  $x^2 + 14x + 24$

**[h]**  $x^2 + 15x + 56$

**[i]**  $x^2 - 13x + 40$

**[j]**  $x^2 - 17x + 42$

**[k]**  $x^2 + 4x + 16$

**[l]**  $x^2 - 16x + 15$

**[m]**  $x^2 + 20x + 75$

**[n]**  $x^2 + 23x + 120$

**[o]**  $x^2 - 20x + 96$

**[p]**  $x^2 + 17x + 52$