

**Ex1**

Factorise the following quadratic expression into double brackets.

$$2x^2 + 5x + 3$$

**Ex2**

Factorise the following quadratic expression into double brackets.

$$3x^2 - 2x - 8$$

**Ex3**

Factorise the following quadratic expression into double brackets.

$$2x^2 + x - 21$$

**Ex4**

Factorise the following quadratic expression into double brackets.

$$5x^2 + 2x - 3$$

**Q1** Factorise the following quadratic expressions into double brackets.

**[a]**  $3x^2 + 10x + 7$

**[b]**  $7x^2 + 12x - 4$

**[c]**  $2x^2 - x - 3$

**[d]**  $2x^2 - 5x - 3$

**[e]**  $3x^2 - 4x - 15$

**[f]**  $5x^2 - 6x + 1$

**[g]**  $11x^2 + 12x + 1$

**Q2** Write the letter of the quadratic expression next to its factorised double bracket.

**[a]**  $2x^2 - x - 10$

**[b]**  $5x^2 + 11x + 2$

**[c]**  $3x^2 + x - 2$

**[d]**  $2x^2 + 9x - 5$

**[e]**  $5x^2 + 9x - 2$

**[f]**  $3x^2 - 7x - 6$

**[g]**  $3x^2 + 2x - 8$

Double brackets	Letter
$(x + 2)(5x + 1)$	
$(x + 2)(2x - 5)$	
$(3x + 2)(x - 3)$	
$(x + 2)(5x - 1)$	
$(x + 1)(3x - 2)$	
$(x + 2)(3x - 4)$	
$(x + 5)(2x - 1)$	