Ex5
Factorise the following quadratic expression into double brackets.

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

Ex6
Factorise the following quadratic expression into double brackets.

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

Q4
Factorise the following quadratic expression into double brackets.

[a] $4(3x^2 + 4x) - 3$

[b] $4x(x + 1) - 15$

[c] $4(3x^2 - 7) + 5x$

[d] $9x(2x - 1) - 5$

[e] $20x^2 + 9(3x + 1)$

Q5
Fill in the missing boxes to make the following true.

[a] $6x^2 - x - \square = (2x + 1)(3x - 2)$

[b] $x^2 - \square - 2 = (3x + 1)(3x - 2)$

[c] $20x^2 - 11x - 3 = (\square x - 3)(5x + 1)$

[d] $12x^2 + 28x - 5 = (6x - 1)(\square x + 5)$

[e] $\square x^2 + 23x - 12 = (2x + 3)(5x + 4)$

[f] $9x^2 + 15x - 14 = (3x - 2)(3x\square)$

[g] $6x^2\square x - 3 = (7x + 1)(2x - 3)$

Q6 Factorise the following quadratic expressions into double brackets.

[a] $x^2 + 2x - 3$

[b] $x^2 - 2x - 15$

[c] $x^2 - 2x - 35$

[d] $x^2 + 5x - 14$

[e] $x^2 + 3x - 4$

[f] $x^2 - 4x - 12$

[g] $2x^2 - 9x + 10$

[h] $3x^2 - 7x - 20$

[i] $12x^2 + 23x + 10$

[j] $x^2 + 2x - 99$

[k] $x^2 - 2x - 99$

[l] $15x^2 + 16x + 4$

[m] $x^2 + 9x - 36$

[n] $6x^2 - 11x + 4$

[o] $4x^2 + 15x + 9$

[p] $3x^2 + 20x + 25$