

① Factorise the following

$2x^2 + 11x + 5$

$5x^2 + 8x + 3$

$3x^2 + 10x + 3$

$2x^2 + 5x + 3$

Identify a, b and c	$a = 2, b = 11, c = 5$			
Multiply a and c	$2 \times 5 = 10$			
What multiples to give ac but adds to give b?	$1 \times 10 = 10$ $1 + 10 = 11$			
Split the middle term	$2x^2 + 10x + x + 5$			
Factorise each pair of terms	$2x(x + 5) + 1(x + 5)$			
Complete the factorisation	$(2x + 1)(x + 5)$			

$3x^2 + 13x - 10$

$3x^2 + 4x - 15$

$2x^2 - x - 1$

$2x^2 - 5x - 12$

Identify a, b and c				
Multiply a and c				
What multiples to give ac but adds to give b?				
Split the middle term				
Factorise each pair of terms				
Complete the factorisation				