



Exercise 2G

Question 21:

$$\begin{aligned} &18x^2 + 3x - 10 \\ &= 18x^2 - 12x + 15x - 10 \\ &= 6x(3x - 2) + 5(3x - 2) \\ &= (6x + 5)(3x - 2). \end{aligned}$$

Question 22:

$$\begin{aligned} &15x^2 + 2x - 8 \\ &= 15x^2 - 10x + 12x - 8 \\ &= 5x(3x - 2) + 4(3x - 2) \\ &= (3x - 2)(5x + 4). \end{aligned}$$

Question 23:

$$\begin{aligned} &6x^2 + 11x - 10 \\ &= 6x^2 + 15x - 4x - 10 \\ &= 3x(2x + 5) - 2(2x + 5) \\ &= (2x + 5)(3x - 2). \end{aligned}$$

Question 24:

$$\begin{aligned} &30x^2 + 7x - 15 \\ &= 30x^2 - 18x + 25x - 15 \\ &= 6x(5x - 3) + 5(5x - 3) \\ &= (5x - 3)(6x + 5). \end{aligned}$$

Question 25:

$$\begin{aligned} &24x^2 - 41x + 12 \\ &= 24x^2 - 32x - 9x + 12 \\ &= 8x(3x - 4) - 3(3x - 4) \\ &= (3x - 4)(8x - 3). \end{aligned}$$

***** END *****