



Exercise 2G

Question 26:

$$\begin{aligned} & 2x^2 - 7x - 15 \\ &= 2x^2 - 10x + 3x - 15 \\ &= 2x(x - 5) + 3(x - 5) \\ &= (x - 5)(2x + 3). \end{aligned}$$

Question 27:

$$\begin{aligned} & 6x^2 - 5x - 21 \\ &= 6x^2 + 9x - 14x - 21 \\ &= 3x(2x + 3) - 7(2x + 3) \\ &= (3x - 7)(2x + 3). \end{aligned}$$

Question 28:

$$\begin{aligned} & 10x^2 - 9x - 7 \\ &= 10x^2 + 5x - 14x - 7 \\ &= 5x(2x + 1) - 7(2x + 1) \\ &= (2x + 1)(5x - 7). \end{aligned}$$

Question 29:

$$\begin{aligned} & 5x^2 - 16x - 21 \\ &= 5x^2 + 5x - 21x - 21 \\ &= 5x(x + 1) - 21(x + 1) \\ &= (x + 1)(5x - 21). \end{aligned}$$

Question 30:

$$\begin{aligned} & 2x^2 - x - 21 \\ &= 2x^2 + 6x - 7x - 21 \\ &= 2x(x + 3) - 7(x + 3) \\ &= (x + 3)(2x - 7). \end{aligned}$$

***** END *****