

Exercise 2G

Question 26:

$$2x^2 - 7x - 15$$

$$= 2x^2 - 10x + 3x - 15$$

$$= 2x(x-5) + 3(x-5)$$

$$= (x - 5) (2x + 3).$$

Question 27:

$$6x^2 - 5x - 21$$

$$= 6x^2 + 9x - 14x - 21$$

$$= 3x (2x + 3) - 7 (2x + 3)$$

$$= (3x - 7) (2x + 3).$$

Question 28:

$$10x^2 - 9x - 7$$

$$= 10x^2 + 5x - 14x - 7$$

$$= 5x (2x + 1) - 7 (2x + 1)$$

$$= (2x + 1) (5x - 7).$$

Question 29:

$$5x^2 - 16x - 21$$

$$=5x^2 + 5x - 21x - 21$$

$$= 5x (x + 1) - 21 (x + 1)$$

$$= (x + 1) (5x - 21).$$

Question 30:

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

$$= 2x^2 + 6x - 7x - 21$$

$$= 2x(x + 3) - 7(x + 3)$$

$$= (x + 3) (2x - 7).$$

********** END ********