6.2 Answers

6.2.1 Solutions (6.1 Exercise)

Answer 1

$$\frac{4-2x}{(2x+1)(x+1)(x+3)} = \frac{4}{2x+1} - \frac{3}{x+1} + \frac{1}{x+3}$$

$$i.e. \quad A = 4. \quad B = -3, \quad C = 1$$

Answer 2

$$\frac{9x^2}{(x-1)^2(2x+1)} = \frac{4}{(x-1)} + \frac{3}{(x-1)^2} + \frac{1}{(2x+1)}$$

$$i.e. \quad A = 4, \quad B = 3, \quad C = 1$$

Answer 3

$$\frac{2(4x^2+1)}{(2x+1)(2x-1)} = 2 - \frac{2}{(2x+1)} + \frac{2}{(2x-1)}$$

$$i.e. \quad A = 2, \quad B = -2, \quad C = 2$$