

(b) Simplify $(3x^3 - 2x^2 - 3x + 2) \div (x - 1)$.



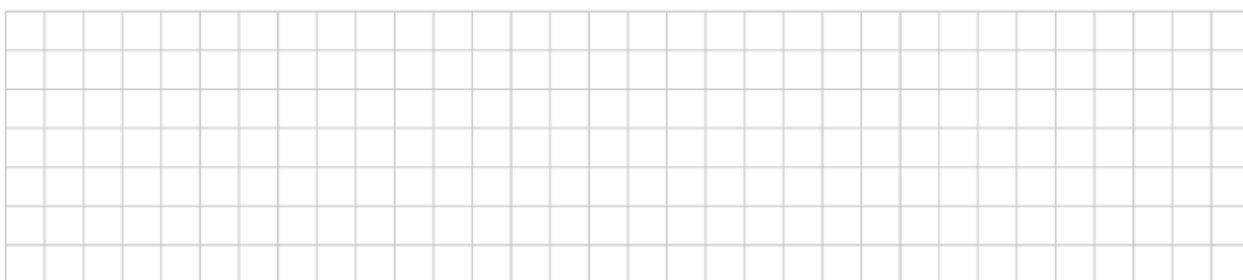
(c) (i) Solve the simultaneous equations:

$$2x - 3y = 18$$

$$5x + 9y = -10.$$



(ii) Verify your answer to (c)(i).



Question 2

- (a) Express in its simplest form: $\frac{5-x}{5} + \frac{x-4}{4}$.

- (b) Solve for x : $3x^2 + 11x = 4$.

- (c) Divide $2x^3 + x^2 - 13x + 6$ by $x + 3$.