$$+ (6n^{5} + 2x^{4} + 9n^{2} + 7n^{2} + 5n + 7)$$

$$= 4n^{5} + 6n^{4} + 6n^{3} + 9n^{2} + 8x$$

$$b) (8n^{3} + 6n^{2} + 8n + 1) \times (3n^{2} + 9n^{2} + 7n + 5)$$

$$= 24n^{6} + 90n^{5} + 134n^{4} + 157n^{2} + 9n^{2} + 47n + 5$$

$$= 2n^{6} + 2n^{5} + 2n^{4} + 3n^{2} + 7n^{2} + 3n + 5$$

$$c) \frac{3n^{3} - 5n^{2} + 10n - 3}{3n + 1} = n^{2} - 2n + 4$$

$$3n + 1 = n^{2} - 2n + 4$$

$$3n + 1 = n^{2} - 3n + 4$$

a) (ga +4n4 + fn3 12n2 + 3x + 4)

 $\frac{3n^3+n}{-6n^2+10n-3}$

-642 -24

(I) JOF (II)

$$(x^2 + x + 1) \times (x^2 + x)$$

a)
$$(x^{2} + x + 1) \times (x^{2} + x)$$

= $(x^{4} + x^{9} + x^{3} + x^{2} + x^{2} + x) / (x^{2} + x + 1)$

$$b) (x^2) - (x^2 + x + 1) = x + 1$$

$$(X)^{2} (A + M+1) = M^{2}$$

$$C) \frac{\chi^2 f \chi + 1}{\chi^2 f} = 1 + \chi + 1 = \chi$$