$$\begin{array}{l}
\sqrt{a} \cdot (x^{2}+1x+9)(2x^{3}+9x^{2}+5) \\
= (2x^{5}+9x^{4}+3x^{4}+8x^{3}+7x^{3}+5x^{2}+4x^{2}+2x+1) \\
= 2x^{5}+x^{4}+4x^{3}+9x^{2}+2x+1 \\
\neq \end{array}$$

b.
$$5x^3 + 4 = 0 \Rightarrow 5x^3 = 3 \Rightarrow x^3 = 3.5^4 = 9 = 2$$

$$2x^{3}+3x+2 = 2(x^{3})x^{2}+3x+2$$

= $4x^{2}+3x+2$ #

$$x^{4}+8x^{3}+7x+8 = x(x^{2}+6x+5)+8(x^{2}+6x+5)+7x+8$$

$$= x^{2}+6x+5+6x^{2}+5x+8x^{2}+4x+7+7x+8$$

$$= 4x^{2}+9$$

$$4x^{2}+9 = 0 = >4x^{2} = 2 = > x^{2} = 6$$

$$2x^{3}+9x^{2}+10x+1 = 12x+10+10x+1$$

$$= 0$$

1.
$$r$$
 $x^{4}+x+1$
 $x^{3}+x+1$
 $x^{3}+x+$

3.
$$a(y) \cdot b(y) = [(x+1)y^{3} + y^{2} + y + x] [(x^{3} + x+1)y^{3} + (x^{3} + x^{2} + 1)y^{3} + (x^{3} + x^{2} + 1)y^{3} + (x^{4} + x^{3} + x^{2} + x + 1)] (y^{4})y^{4} + (x^{4} + x^{3} + x^{2} + x + 1) + (x^{4} + x^{3} + x^{2} + x + 1)] (y^{4})y^{4} + [(x^{4} + x^{3} + x + 1) + (x^{4} + x^{3} + x + 1) + (x^{3} + x + 1)] (y^{4})y^{4} + [(x^{4} + x^{3} + x + x) + (x^{3} + x + 1) + (x^{4} + x^{2} + x)]y^{3} + [(x^{4} + x^{3} + x^{2} + x) + (x^{3} + 1) + (x^{4} + x^{3} + x)]y^{2} + [(x^{3} + x^{2} + x) + (x^{4} + x)]y^{3} + (x^{4} + x^{3} + x^{2} + x) + (x^{4} + x)]y^{3} + (x^{4} + x^{3} + x^{2} + x) + (x^{4} + x) + (x^{4} + x^{3} + x^{2} + x) + (x^{4} + x^{3} + x^{2} + x$$

(x3+x2+x)