

4. $x^3 + 4x^2 + 3x$ has a factor $(x - (-3))$ compute all other factors:

$$(x - 2) (x - 1) (x + 1)$$

$$(x + 1) (x + 2) (x + 3)$$

$$x (x + 1) (x + 3)$$

$$x (x + 1) (x + 4)$$

Solution

Apply Long Division.

$$x (x + 1) (x + 3)$$