

2. $x^3 - 3x^2 - x + 3$ has a factor $(x - (-1))$ compute all other factors:

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

$$(x - 4) (x - 3) (x + 1)$$

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

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

Solution

Apply Long Division.

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