

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

$$(n - 2) n (n + 3)$$

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

$$(n - 2) (n - 1) (n + 2)$$

$$(n - 2) (n + 2) (n + 3)$$

Solution

Apply Long Division.

$$(n - 2) (n - 1) (n + 2)$$