

4.  $n^3 - 8n^2 + 21n - 18$  has a factor  $(n-2)$  compute all other factors:

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

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

$$(n-3)^2(n-2)$$

$$(n-3)(n-1)(n+1)$$

**Solution**

Apply Long Division.

$$(n-3)^2(n-2)$$