

2.  $p^3 - 7p^2 + 16p - 12$  has a factor  $(p-2)$  compute all other factors:

$$(p-2)(p+2)^2$$

$$(p-2)(p+2)(p+3)$$

$$(p-3)(p-2)^2$$

$$(p-2)(p-1)(p+4)$$

**Solution**

Apply Long Division.

$$(p-3)(p-2)^2$$