

2.  $p^3 - 4p^2 + p + 6$  has a factor  $(p - (-1))$  compute all other factors:

$$(p - 3) (p - 2) (p + 4)$$

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

$$(p - 3) (p - 2) (p + 1)$$

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

**Solution**

Apply Long Division.

$$(p - 3) (p - 2) (p + 1)$$