

1.  $p^3 - 2p^2 - 7p - 4$  has a factor  $(p - (-1))$  compute all other factors:

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

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

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

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

**Solution**

Apply Long Division.

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