

2.  $k^3 - 5k^2 + 8k - 4$  has a factor  $(k-1)$  compute all other factors:

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

$$(k-3)(k-1)^2$$

$$(k-2)^2(k-1)$$

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

**Solution**

Apply Long Division.

$$(k-2)^2(k-1)$$