

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

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

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

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

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

Solution

Apply Long Division.

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