

1. $g^3 - 6g^2 + 11g - 6$ has a factor $(g-1)$ compute all other factors:

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

$$(g-3)^3$$

$$(g-3)(g-2)(g-1)$$

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

Solution

Apply Long Division.

$$(g-3)(g-2)(g-1)$$