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

$(m - 2)\ (m + 1)\ (m + 4)$

$(m - 2)\ m\ (m + 3)$

$(m - 3)\ (m - 2)\ (m - 1)$

$(m - 2)\ (m + 2)\ (m + 3)$

Solution
Apply Long Division.
$(m - 3)\ (m - 2)\ (m - 1)$