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

$(j - 4)(j - 3)(j + 1)$

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

$(j - 1)\ j\ (j + 1)$

$(j - 3)(j + 1)^2$

Solution
Apply Long Division.
$(j - 1)\ j\ (j + 1)$