$$(u-3)^{2}(u+4)$$

 $(u-3)u(u+1)$

5. $u^3 - 11u^2 + 40u - 48$ has a factor (u-3) compute all other factors:

$(u - 3)^2 u$

 $(u-4)^2 (u-3)$

Solution

Apply Long Division.

 $(u-4)^2 (u-3)$