3. $u^3 - 4u$ has a factor (u - (-2)) compute all other factors: (u-3) (u-1) (u+3)(u-4) (u-3) (u+2) $(u-2) \ u \ (u+2)$ $(u - 3)^2 u$

Solution

Apply Long Division.

(u - 2) u (u + 2)