4. $u^3 + 5u^2 + 4u$ has a factor (u - (-4)) compute all other factors: $(u-1)(u+2)^2$ (u-4) (u-1) (u+2)u (u + 1) (u + 4)(u - 4) (u - 1) u

Solution

Apply Long Division. u (u + 1) (u + 4)