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

Solution

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

(k-1)(k+1)(k+3)