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