1. $w^3 + 2w^2 - 11w - 12$ has a factor (w - (-4)) compute all other factors: (w-3) (w-1) w(w - 4) (w - 3) w(w-3) (w+1) (w+4)(w-3) (w+2) (w+3)Solution Apply Long Division.

(w-3) (w+1) (w+4)