1. $p^3 - 11p^2 + 40p - 48$ has a factor $(p-3)$ compute all other factors:

(p – 4) (p – 3) p

(p – 3) (p – 2) (p – 1)

$(p - 4)^2 (p - 3)$

(p – 3) p (p + 1)

Solution

Apply Long Division.

$(p - 4)^2 (p - 3)$