$$(s-3) \ s \ (s+4)$$
 $(s-4)^2 \ (s-3)$ 

5.  $s^3 + s^2 - 9 s - 9$  has a factor (s - (-3)) compute all other factors:

## $(s-3) (s+4)^2$

## Solution

Apply Long Division. (s-3)(s+1)(s+3)

(s-3) (s+1) (s+3)