

2. $s^3 - 3s^2 + 2s$ has a factor $(s-0)$ compute all other factors:

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

$$(s-3) (s+3) (s+4)$$

$$(s-2) (s-1) s$$

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

Solution

Apply Long Division.

$$(s-2) (s-1) s$$