2. $s^3 - 5s^2 + 7s - 3$ has a factor $(s-1)$ compute all other factors:

$(s - 4)(s - 1)s$

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

$(s - 3)(s - 1)^2$

$(s - 4)^2(s - 1)$

**Solution**

Apply Long Division.

$(s - 3)(s - 1)^2$