1. $c^3 - 2c^2 - 7c - 4$ has a factor $(c - (-1))$ compute all other factors:

$c\,(c + 1)\,(c + 2)$

$(c + 1)^2\,(c + 2)$

$(c - 4)\,(c + 1)^2$

$(c - 3)\,(c - 2)\,(c + 1)$

Solution
Apply Long Division.
$(c - 4)\,(c + 1)^2$