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

$(x - 2) (x + 1) (x + 4)$

$(x - 3) (x + 1)^2$

$(x - 2) x (x + 1)$

$(x - 3) (x + 1) (x + 3)$

Solution
Apply Long Division.
$(x - 2) x (x + 1)$