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

$(b - 2) (b + 1)^2$

$b (b + 1) (b + 2)$

$(b - 1) b^2$

$(b - 1) (b + 1) (b + 4)$

Solution
Apply Long Division.
$(b - 1) b^2$