

2.  $b^3 - 6b^2 + 9b$  has a factor  $(b-0)$  compute all other factors:

$$(b + 2) (b + 3) (b + 4)$$

$$(b - 3) (b + 2) (b + 4)$$

$$(b - 3)^2 b$$

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

**Solution**

Apply Long Division.

$$(b - 3)^2 b$$