2. 
$$a^3 - a^2 - 6a$$
 has a factor  $(a-(-2))$  compute all other factors: 
$$(a-4) (a-2)^2$$
 
$$(a-2) (a-1) (a+2)$$
 
$$(a-3) a (a+2)$$

## Colution

(a - 2)<sup>2</sup> (a - 1)

Solution

Apply Long Division. (a-3) a (a+2)