

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

$$(w - 4) (w - 3)^2$$

$$(w - 4)^2 (w + 1)$$

$$(w - 4) w^2$$

$$(w - 4) (w + 4)^2$$

**Solution**

Apply Long Division.

$$(w - 4) w^2$$