

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

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

$$(a - 4) (a - 2) (a - 1)$$

$$(a - 2)^2 a$$

$$(a - 2) (a - 1) (a + 2)$$

**Solution**

Apply Long Division.

$$(a - 2)^2 a$$