

1.  $f^3 - 10f^2 + 32f - 32$  has a factor  $(f-2)$  compute all other factors:

$$(f - 4) (f - 3) (f - 2)$$

$$(f - 4) (f - 2) (f + 4)$$

$$(f - 4)^2 (f - 2)$$

$$(f - 4)^2 (f + 3)$$

**Solution**

Apply Long Division.

$$(f - 4)^2 (f - 2)$$