

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

$$(f - 4) (f - 3) (f + 1)$$

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

$$(f - 3) (f - 1) f$$

$$(f - 3) f (f + 1)$$

Solution

Apply Long Division.

$$(f - 3) (f - 1) f$$