

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

$$(m - 2) (m - 1) m$$

$$(m - 2)^2 (m + 2)$$

$$(m - 3) (m - 2) (m + 1)$$

$$(m - 4)^2 (m - 2)$$

Solution

Apply Long Division.

$$(m - 3) (m - 2) (m + 1)$$