

1. $m^3 - 6m^2 + 5m + 12$ has a factor $(m - (-1))$ compute all other factors:

$$(m - 3) m^2$$

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

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

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

Solution

Apply Long Division.

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