

1. $m^3 - 11m^2 + 40m - 48$ has a factor $(m-3)$ compute all other factors:

$$(m - 4) (m - 1) (m + 2)$$

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

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

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

Solution

Apply Long Division.

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