

2. $m^3 + m^2 - 14m - 24$ has a factor $(m - (-3))$ compute all other factors:

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

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

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

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

Solution

Apply Long Division.

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