

2. $m^3 - 2m^2 - 8m$ has a factor $(m - (-2))$ compute all other factors:

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

$$(m + 2)^2 (m + 4)$$

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

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

Solution

Apply Long Division.

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