

2. $t^3 + 2t^2 - 4t - 8$ has a factor $(t - (-2))$ compute all other factors:

$$(t - 4) (t - 2) t$$

$$(t - 4) (t - 2) (t - 1)$$

$$(t - 2) (t + 2)^2$$

$$(t - 2)^3$$

Solution

Apply Long Division.

$$(t - 2) (t + 2)^2$$