

2. $t^3 - t^2 - 5t - 3$ has a factor $(t - (-1))$ compute all other factors:

$$(t + 1)^2 (t + 2)$$

$$(t - 2) (t + 1)^2$$

$$(t - 3) (t + 1)^2$$

$$t^2 (t + 1)$$

Solution

Apply Long Division.

$$(t - 3) (t + 1)^2$$