

4. $t^3 - 3t^2 - 6t + 8$ has a factor $(t - (-2))$ compute all other factors:

$$(t - 4) (t + 2)^2$$

$$(t + 2) (t + 3) (t + 4)$$

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

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

Solution

Apply Long Division.

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