

2. $e^3 - 7e^2 + 8e + 16$ has a factor $(e - (-1))$ compute all other factors:

$$(e - 4) (e - 1) (e + 4)$$

$$(e - 4) (e + 1) (e + 4)$$

$$(e - 4)^2 (e + 1)$$

$$(e - 4)^2 (e + 3)$$

Solution

Apply Long Division.

$$(e - 4)^2 (e + 1)$$