$$(e+3)^{3}$$

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

$$(e+3)^{2} (e+4)$$

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

1. $e^3 + 10 e^2 + 33 e + 36$ has a factor (e - (-4)) compute all other factors:

Solution

Apply Long Division.

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