$$(z-4) (z-3)^{2}$$
 $(z-4) (z-3) (z-1)$
 $(z-4) (z-3) (z+3)$

3. $z^3 - 4z^2 - 9z + 36$ has a factor (z - (-3)) compute all other factors:

Solution

Apply Long Division.

(z-3)(z+1)(z+2)

(z-4) (z-3) (z+3)