1. $f^3 + 4 f^2 - 9 f - 36$ has a factor (f - (-4)) compute all other factors: (f-1)(f+3)(f+4)(f-3)(f-2)(f+4)(f-3) (f+3) (f+4) $(f + 2) (f + 4)^2$ Solution Apply Long Division.

(f-3)(f+3)(f+4)