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

5. $f^3 + 10 f^2 + 32 f + 32$ has a factor (f - (-4)) compute all other factors:

$(f+1)^{2}(f+4)$

 $(f+2) (f+4)^2$

Solution

Apply Long Division.

 $(f + 2) (f + 4)^2$