(n-4) (n+2) (n+4) $(n-4)(n+2)^2$ (n-4) n (n+4)(n-4) (n+1) (n+3)

1. $n^3 - 16 n$ has a factor (n - (-4)) compute all other factors:

Solution

Apply Long Division.

 $(n-4) \ n \ (n+4)$