(p-1)(p+3)(p+4)(p-4) p (p+3)(p-4) (p+1) (p+3)(p-1) (p+1) (p+3)Solution Apply Long Division. (p-4) (p+1) (p+3)

1. $p^3 - 13p - 12$ has a factor (p - (-3)) compute all other factors: