

Lagrange's
Thm



Cor. 5

Cor. 1 $\forall a \in G, o(a) | o(G)$



Cor. 2 $\forall a \in G, a^{o(a)} = e$



Cor. 3 Number Theory Result
(Euler, early in 1700)



Cor. 4 Fermat's Little Theorem
(from 1600s)