

# SURVEY OF MATHEMATICS

Grace Murray Hopper was a very skilled mathematician and computer scientist. She studied irreducibility and wrote her thesis on "New Types of Irreducibility Criteria." She was fascinated by the way one can break something up into simpler things. Thus, created her love for computer science. Irreducibility is important because it saves people time. Grace Murray Hopper found a way to convert a polynomial into a convex polygon. With this conversion she found a way to decompose the polygon the way that Eisenstein broke down the polynomials.