A : Show that $f(\bar{z}) = \overline{f(z)}$ for polynomials with real coefficients. Conclude that $f(z) = 0 \iff f(\bar{z}) = 0$ for these polynomials. In other words, complex roots of real polynomials come in conjugate pairs.

B : Choose three complex numbers and find the square root(s) and cube root(s) of each. Include pictures!