Complex Variables - HW 1

This first HW is worth 15 points and is due next Friday, September 9. It's pretty simple.
The Problem: Solve the equation

$$z^{10} - 31z^5 - 32 = 0$$

and sketch the solutions in the complex plane.
What could be easier?

Requirements

- Your solution must be typed in LaTeX and the sketch should be electronically produced.

- It's fine with me if you consult a computational tool. However, your turned in solution should be self-contained and clearly indicate *why* the solutions lie where they do in the complex plane.