

Pries: 619 Complex Variables II. Homework 5.

1. Miranda II.3 I
2. Miranda II.3 J
3. Miranda II.3 K
4. Miranda III.1 A
5. Let $X \in \mathbb{C}^2$ be the locus of zeros of the equation $y^2 = x^5 - x$. Show that the compactification \tilde{X} of X in \mathbb{CP}^2 has one point P_∞ at infinity and that \tilde{X} is singular at P_∞ .