

Name: _____

MATH 104

Spring 2023

HW 9: Due 05/04

*“The beauty of mathematics only shows
itself to more patient followers.”*

–Maryam Mirzakhani

Problem 1. (10pt) Use the quadratic formula to factor $45x^2 + 501x - 1320$.

Problem 2. (10pt) Use the rational roots theorem to factor $x^3 - 7x^2 + 4x + 12$.