

Math 2311

Winter Homework 7 (Sections 3.4 - 3.6)

Name: Jordan O'Rourke

Registration ID: 000000000

INSTRUCTIONS

- Homework will still be accepted through email or in person. Homework must be submitted through Canvas from 000000000 the deadline.
- Print on one side and complete the problems.
- Use blue or black ink or a calculator.
- Write your solutions in the space provided. You must show all work for full credit.
- Submit this assignment at <https://canvas.com/submit/assignment> and show that it.
- Total possible points: 100

1. Section 3.4: Problems

$$\begin{aligned} & 4x^2 - 12x + 9 \\ & = (2x - 3)^2 \\ & = (2x - 3)(2x - 3) \end{aligned}$$

2. Section 3.4: Problems

By substituting $x = 1$ into the equation, show that the cubic has a root at $x = 1$.