

Name: \_\_\_\_\_

MATH 111-I

Spring 2025

Quiz 6

**Problem 1:** Showing all your work, factor the following:

(a)  $2x^2 + 4x - 48$

(b)  $4x^2 - 25$

(c)  $2x^2 - 5x - 3$

**Problem 2:** Without explicitly attempting to factor  $x^2 + 5x + 3$ , explain why it cannot factor ‘nicely.’