

# Retake 2A: Quadratic equations

MATH 1110, FALL 2017

NAME:

1. Use factoring to solve the following equations.

(a) (3 points)  $9x^2 - 64 = 0$

(b) (3 points)  $-5v = v^2$

(c) (4 points)  $10x^2 - 3x = 8$

(d) (2 points) Use multiplication to check your work on part (c).

2. (8 points) Use completing the square to solve  $x^2 - 4x - 1 = 0$ .