

## Retake 3B: Radicals and inequalities

MATH 1110, FALL 2017

NAME:

1. (3 points) Solve  $\sqrt{4-x} = 4$ .

2. (5 points) Solve  $x = \sqrt{18-3x}$ .

3. Find the solutions to each inequality. Write your answer in interval notation, and draw a picture of your solutions on a number line.

(a) (2 points)  $6 - 2(c - 3) > 14$

(b) (5 points)  $|u - 2| \leq 13$

(c) (5 points)  $8|8 - 2x| + 7 > 63$