

Quiz 3B: Radicals and inequalities

MATH 1110, FALL 2017

NAME:

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

2. (5 points) Solve $x = \sqrt{7x-10}$.

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) $4 - 2(a + 1) > 10$

(b) (5 points) $|u + 4| \geq 3$

(c) (5 points) $9|3x - 2| + 6 \leq 51$