

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

MATH 111-I

Spring 2025

Quiz 7

**Problem 1:** Find the domain of the following functions:

(a)  $f(x) = x^3 - 4x + 8$

(b)  $g(x) = \frac{6}{x + 9}$

(c)  $h(x) = \sqrt{2x - 5}$

**Problem 2:** Find the domain and range of the function  $f(x) = 4 - (x + 1)^2$ .