

Math16500 Section 24246 Quiz 2

Fall 2022, August 29

Name:

[1 pt]

Problem 1: Find the domain of the function

$$g(x) = \sqrt{3-x} - \sqrt{2+x}$$

[4 pts].

Problem 2: Find the domain of the function

$$h(x) = \frac{\sin x}{\cos x - 1}$$

[5 pts].

Bonus Problem: Find whether the following functions are even or odd or neither.

1. $f(x) = \sqrt{2-x} - \sqrt{2+x}$
2. $f(x) = \lfloor x \rfloor$ (the floor function)

[2 x 1pts].