

Math 190 Quiz 1: Friday September 25

The quiz is 20 minutes long and has two questions. No calculators or other aids are permitted. Show all of your work for full credit.

Questions:

1. Evaluate

$$\cos\left(\frac{\pi}{3}\right) - \sin\left(\frac{5\pi}{3}\right).$$

2. Find the domain of the function

$$f(x) = \frac{\sqrt{x+1}}{2x^2 - 6x - 8}.$$