

Math 1A Midterm Practice 9/17/18

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Question 1

Find the domain of the following function.

$$f(x) = \frac{x^2 \log(x^2 - 1)}{1 + \sin(x)}$$

Question 2

Find the domain of the following function.

$$g(x) = \arccos(e^x - 1)$$

Question 3

Compute the following quantity, if it exists.

$$\log_3 \left(\tan \left(\frac{\pi}{6} \right) \right) + \log_2 \left(\cos \left(-\frac{\pi}{4} \right) \right)$$