

Math 10A with Professor Stankova

Quiz 1; Wednesday, 8/30/2017

Section #107; Time: 11 AM

GSI name: Roy Zhao

Name: _____

Circle True or False. (1 point each)

1. True False There is a unique choice of a domain for any function f .
2. True False To graph $f(2x+1)$, take the graph of $f(x)$, compress it along the x axis by a factor of 2, and then shift it to the left by 1.

Show your work and justify your answers.

3. (10 points) Find the domain of each of the following functions. (2 points each)

(a) $f(x) = \frac{x+5}{2x-4}$.

(b) $g(x) = x^2 + 2x + 1$.

(c) $f + g$.

(d) fg .

(e) f/g .