

KFUPM

MATH101

Quiz#4

Sec. 1

Name \_\_\_\_\_

Sr. \_\_\_\_\_

**Q1** Find  $\frac{dy}{dx}$

a)  $y = 2^{3^{4^x}}$

b)  $\arctan(x^2y) = x + xy^2$

Q2

67. If  $g(x) = \sqrt{f(x)}$ , where the graph of  $f$  is shown, evaluate  $g'(3)$ .

