

MATH 110-003, QUIZ 4

November 15, 2016

Time: 15 minutes

Show all your work. No calculators, no books/notes are allowed.

Name (please print): _____

Student number: _____

1. a) Differentiate the following function

$$y = \tan^4(z^2 - \pi)$$

- b) Evaluate the derivative at $z = \sqrt{\frac{\pi}{6}}$.

2. Find the point(s) where the tangent line to the graph of $h(t) = e^{5t^2+7t-13}$ is parallel to the line $y = -5$.