You may use books and notes.

No calculators.

In order to score points you should show *all* your working on this quiz.

There are a total of 5 points available.

1. (a) (4 points) If $x^3 + y^3 = 1$, compute $\frac{dy}{dx}$.

   (b) (1 point) What is the equation of the tangent line to the curve $x^3 + y^3 = 1$ at the point $(1/2^{1/3}, 1/2^{1/3})$.