

MA 16010 Quiz 3

Lessons 7 and 8

9 February 2022

Problem 1. Find the derivative of the following function

$$f(x) = x^7 + \cos x - \frac{2}{\sqrt[3]{x}}$$

Problem 2. The population of a herd of Jackalope over time (in years) is given by

$$f(x) = 4x^3 - 6x^2 + 7$$

If $x = 0$ corresponds to 2010, what two years is the growth rate of the population 0?