

Quiz #6, 10/11
Math 156 (Calculus I), Fall 2022

Problem 1 is worth 10 points (2.5 pts each part), for a total of 10 points. Remember to *show your work* on all problems!

1. Compute the following derivatives.

(a) $\frac{d}{dx}(4x^3 + 5x^2 - x + 2)$

(b) $\frac{d}{dx}(\sqrt[3]{x})$

(c) $\frac{d}{dx}(3e^x)$

(d) $\frac{d}{dx}(x \cdot \sin(x))$