

Quiz 15 — MA161 — October 26, 2018

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1. (10 points) If $f(5) = 6$ and the derivative of f is always less than or equal to 10, what is the largest value $f(10)$ could take?
2. (10 points) Find the number c that satisfies the conclusion of the Mean Value Theorem for the function $f(x) = x^2$ on the interval $[0, 8]$ (that is, $a = 0$ and $b = 8$).