Quiz 15 Key — MA161 — October 26, 2018
Alden Bradford

Min	Mean	Max
1	18	20

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?

> 56
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> Note: this problem appeared on the third midterm in the fall of 2016.

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 $b = 8$).

> 4
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> Note: this problem appeared on the third midterm in the fall of 2017