

Quiz 11 Key — MA161 — October 5, 2018

Alden Bradford

Min	Mean	Max
1	14	20

1. (10 points) If $f(x) = x^{\ln x}$, find $f'(e)$.

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Note: this problem appeared on the second midterm exam in the fall of 2017.

2. (10 points) Find the slope of the tangent line to the curve

$$x^2y^2 + \ln y = x^3 - 4$$

at the point (2,1).

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Note: this problem appeared on the second midterm exam in the spring of 2016.