Quiz 11 — MA161 — October 5, 2018

Alden Bradford

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