

Quiz 10 Key — MA161 — October 3, 2018

Alden Bradford

Min	Mean	Max
5	16	20

1. (12 points) Differentiate both sides of the equation with respect to x . You do not have to solve for anything. Just differentiate.

$$\sin(x) + 3xy = y^3$$

$\cos(x) + 3y + 3xy' = 3y^2y'$

2. (8 points) Find y'' given that $y = \tan(x)$.

$2 \sec^2(x) \tan(x)$
