MATH 205 – Calculus I   **SQ 3.8**

Name: _____   Date: _____

Instructions: Though calculators can be used for the entire daily question, all problems require you to show your work.   Any answer without proper justification will receive **_ZERO_** credit. Only **EXACT** answers will receive full credit unless otherwise noted.

1. Determine $\dfrac{dy}{dx}$ for $8x^3 - 9y^4 + 7\cos(xy) = 13$

2. Determine $\dfrac{d^2y}{dx^2}$ for $3\tan(y) + 4x^2y^3 = 9$