Math 30			Quiz			March 20, 2019		

Provide a clear and organized presentation. Show all of your work and completely simplify your answer. Determine $\frac{dy}{dx}$ if:

$$\mathbf{y} \cdot \mathbf{X}^{\sin \mathbf{y}} = \mathbf{X} \cdot \left(\cos \mathbf{y}\right)^{\mathbf{x}}$$