

Quiz 4

Sec: 17

Name:

ID#:

Sr. No.

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1. Find the derivative of  $y = \sin(\sin(\cos x))$

2. Suppose  $f\left(\frac{\pi}{3}\right) = 4$  and  $f'\left(\frac{\pi}{3}\right) = -2$  and let  $h(x) = \frac{(\cos x)}{f(x)}$  find  $h'\left(\frac{\pi}{3}\right)$

3. Let  $y = \cos(2 \ln x)$ . Find  $x^2 y'' + xy'$