Math 101-172-Sec.4 -Quiz #4

Name: **ID:** **SR:**

Question1: If $r = \sin(f(t)), f(0) = \frac{\pi}{3}$, and $f`(0) = 4$. Find the tangent equation to the curve of r when $t = 0$

Question2: If $2\sqrt{y} = x - y$, find $y``$ at the point (8,4)

Question3. Find the derivative of $y = \log_2\left(\frac{x^2e^2}{2\sqrt{x+1}}\right)$.