Quiz 3		Sec: 17
Name:	ID#:	Sr. No.

1. Differentiate the following functions and write the answers in most simplified form.

a.
$$y = \frac{x^2 + 4x + 3}{\sqrt{x}}$$

b.
$$y = (z^2 + e^z)\sqrt{z}$$

2. Find an equation of the tangent line to the curve $y = x^4 + 1$ that is parallel to the line 32x - y = 15

3. Find an equation of the normal line to the curve $y = 2xe^{x}$ at (0, 0)