Quiz 6 Practice

1. Use implicit differentiation to find of .

3x3+, y5 = ex

2. Use implicit differentiation to find y's

Find the equation of the tangent line

at (2,1).

3xy - 2x - 2 = 0.

3. Helium is pumped into a spherical balloon at a constant rate of H cubic feet per second. How fast is the radius increasing after 1 minute. Hint: V= \frac{1}{3}ttr3