Practice Quiz 8, Math 111, Section 4 (Vinroot)

Name: \_

1. Find a function f(x) which satisfies  $f'(x) = \frac{2}{\sqrt{1-x^2}} + x + 3^x$  and f(0) = 0.

2. Suppose a particle moves along a line with acceleration given by a(t) = 6t - 8 at time t, with positions s(0) = 1 and s(1) = -2. Find the equation of the position function s(t).