

Quiz 7

Name: _____

1. Solve the following and circle your answer.

(a) $\frac{dA}{dt} = \frac{t}{3A^2 + 1}$ $A(0) = 1$ (You do not need to solve for A in terms of t)

(b) $y' = y(y + 3)$

2. Compute the following and circle your answer.

(a) $\int_0^3 \frac{x}{x^2 + 1} dx$

(b) $\int \frac{3x + 2}{x(x^2 + 1)} dx$