

MATH 251: Practice 5

June 2, 2015

Name: _____

Evaluate the following:

$$\lim_{t \rightarrow 1} \left\langle t^2 + t + 1, e^t + \frac{1}{t}, \frac{t^2 - 5t + 4}{t - 1} \right\rangle$$

$$\frac{d}{dt} [\langle \sin(t), e^{2t} + t^2, t^3 + 4 \rangle]$$

$$\int \langle \cos(t), t^2, e^t \rangle dt$$