

QUIZ 9

Name _____

1. Find the family of antiderivatives for each of the following functions:

(a) $f(x) = 3x - 7$

(b) $g(x) = 3t^2 - e^t$

2. Find each of the following indefinite integrals.

(a) $\int 3x^4 + 5x^2 - 2x + 8 \, dx$

(b) $\int \frac{t^5 - 2t^3 + 3t - 7}{t} \, dt$

(c) $\int 3^x - x^3 \, dx$