

Worksheet 7.2

Full Name: _____ Score: _____

1. Use integration by parts to evaluate each of the following indefinite integrals.

(a) $\int \cos x \sin^{12} x \, dx$

(b) $\int \cos^3 x \sin^{10} x \, dx$

(c) $\int \cos^{14}(3\theta) \sin^5(3\theta) d\theta$

(d) $\int \sec^2 x \tan^6 x dx$

(e) $\int \sec^5 x \tan^3 x dx$