

Math 260 – Quiz # 1c

(Review for integration)

Name: _____ Sec. _____ ID: _____

Evaluate each one of the given integrals

1. $\int \csc^2 7\theta d\theta$

$$= -\frac{1}{7} \cot 7\theta + C$$

2. $\int 2xe^x dx$

$$= 2e^x(x-1) + C$$

See Q1a [2]

3. $\int (x-3)^{-1} dx$

$$= \int \frac{1}{x-3} dx$$

$$= \ln|x-3| + C$$

4. $\int \frac{dx}{x^2-1}$

$$= \frac{1}{2} \ln \left| \frac{x-1}{x+1} \right| + C$$

See Version 1a [4]