

Math Sheet

Name _____ Score _____ Teacher _____ Date _____

Trigonometric Integration

Apply the matching trigonometric antiderivative rule, adjust for the constant derivative of the argument, and include + C.

1. $\int -3 \cdot \sec(x)^2 dx$

6. $\int -2 \cdot \sin(x) dx$

2. $\int -1 \cdot \sec(x) \cdot \tan(x) dx$

7. $\int \frac{-3}{2} \cdot \sec(-2 \cdot x) \cdot \tan(-2 \cdot x) dx$

3. $\int -2 \cdot \cos(x) dx$

8. $\int \frac{2}{3} \cdot \sec(-3 + x)^2 dx$

4. $\int -1 \cdot \csc(x)^2 dx$

9. $\int -1 \cdot \cos(3 - 3 \cdot x) dx$

5. $\int \frac{-2}{3} \cdot \csc(x) \cdot \cot(x) dx$

10. $\int -3 \cdot \csc(-3 - x)^2 dx$
