Name_____

Integration - Trigonometric Functions

Date_____ Period_____

Evaluate each indefinite integral.

1) $\displaystyle\int \cos x \, dx$

2) $\displaystyle\int -5\sin x \, dx$

3) $\displaystyle\int 3 \cdot \sec^2 x \, dx$

4) $\displaystyle\int -3\csc x \cdot \cot x \, dx$

5) $\displaystyle\int \frac{2}{\sec x} \, dx$

6) $\displaystyle\int \frac{5}{\csc x} \, dx$

7) $\displaystyle\int -4\tan x \, dx$

8) $\displaystyle\int -\cot x \, dx$

Name_____

Integration - Trigonometric Functions

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Evaluate each indefinite integral.

1) $\int \cos x \, dx$

$\sin x + C$

2) $\int -5\sin x \, dx$

$5\cos x + C$

3) $\int 3 \cdot \sec^2 x \, dx$

$3\tan x + C$

4) $\int -3\csc x \cdot \cot x \, dx$

$3\csc x + C$

5) $\int \dfrac{2}{\sec x} \, dx$

$2\sin x + C$

6) $\int \dfrac{5}{\csc x} \, dx$

$-5\cos x + C$

7) $\int -4\tan x \, dx$

$-4\ln \left| \sec x \right| + C$

8) $\int -\cot x \, dx$

$-\ln \left| \sin x \right| + C$