

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #1 \_\_\_\_\_ Name \_\_\_\_\_

1.  $\int \frac{du}{u^2 + a^2}$

2. Sum-to-Product Formula  $\sin u - \sin v$
3. Reciprocal Identity for  $\csc u$
4. Sum-to-Product Formula  $\cos u + \cos v$
5. Is cosecant even or odd?

1 Date \_\_\_\_\_

2 Quiz 5<sup>th</sup> 6 Weeks #2 \_\_\_\_\_ Name \_\_\_\_\_

- 3 1. Reciprocal Identity for  $\cot u$
- 4 2. Quotient Identity of  $\tan u$
- 5 3. Sum & Difference Formula:  $\cos(u - v)$
- 6 4.  $\frac{d}{dx}(\cot u) =$
- 7 5. Pythagorean Identity involving sine

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Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #3 \_\_\_\_\_ Name \_\_\_\_\_

1.  $\frac{d}{dx}(\csc u) =$

2.  $\int a^u du$

3. Pythagorean Identity involving tangent

4.  $\int \frac{du}{u\sqrt{u^2 - a^2}}$

5.  $(f^{-1})'(a)$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #4 \_\_\_\_\_ Name \_\_\_\_\_

1.  $\int x^n dx$

2. Circular function definition of  $\csc \theta$

3. Right  $\Delta$  definition of  $\cos \theta$

4.  $\frac{d}{dx}[\ln u]$

5.  $\frac{d}{dx}[\log_a u]$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #5 \_\_\_\_\_ Name \_\_\_\_\_

1. Sum & Difference Formula  $\tan(u - v)$
2. Definition of a definite integral
3. Half - angle formula of  $\sin\left(\frac{u}{2}\right)$
4. Is secant even or odd?
5. Right triangle definition of  $\sin\theta$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #6 \_\_\_\_\_ Name \_\_\_\_\_

1. Product-to-Sum Formula  $\sin u \cos v$
2.  $\frac{d}{dx} [\operatorname{arcsec} u]$
3.  $\int \frac{du}{\sqrt{a^2 - u^2}}$
4.  $\int \cot u \, du$
5.  $\frac{d}{dx} [\operatorname{arccot} u]$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #7 \_\_\_\_\_ Name \_\_\_\_\_

1. Circular functions definition of  $\cot\theta$

2.  $\int e^u du$

3. Product-to-Sum Formula  $\cos u \sin v$

4.  $\frac{d}{dx}(c)$

5.  $\int \tan u du$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #8 \_\_\_\_\_ Name \_\_\_\_\_

1. Pythagorean Identity Involving cosecant

2.  $\frac{d}{dx}(x^n)$

3. Circular Function Definition of  $\tan\theta$

4.  $\frac{d}{dx}[f(x)g(x)]$

5.  $\frac{d}{dx}\left[\frac{f(x)}{g(x)}\right]$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #9

Name \_\_\_\_\_

1.  $\frac{d}{dx}f(g(x))$
2. Sum-to-Product Formula  $\cos u - \cos v$
3. Product-to-Sum Formula  $\cos u \cos v$
4.  $\frac{d}{dx}(\sin u)$
5. Sum & Difference Formula  $\cos(u + v)$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #10

Name \_\_\_\_\_

1.  $\frac{d}{dx}(\cos u)$
2.  $\cos\left(\frac{\pi}{2} - u\right)$
3.  $\tan\left(\frac{\pi}{2} - u\right)$
4.  $\int \cos u \, du$
5. Circular functions definition of  $\sec \theta$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #11

Name \_\_\_\_\_

1.  $\frac{d}{dx}(a^u)$
2.  $\int \sin u du$
3.  $\int \sec^2 u du$
4. Reciprocal identity for secu
5. Half-angle formula of  $\cos \frac{u}{2}$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #12

Name \_\_\_\_\_

1. Right  $\Delta$  definition of  $\csc\theta$
2.  $\int \csc^2 u du$
3.  $\frac{d}{dx}(\arcsin u)$
4.  $\frac{d}{dx}(\tan u)$
5.  $\frac{d}{dx}(\sec u)$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #13

Name \_\_\_\_\_

1.  $\int \frac{1}{u} du$

2.  $\frac{d}{dx}(\cos u)$

3.  $\int \sec u \tan u du$

4.  $\frac{d}{dx}(\arccos u)$

5. Double-angle formula of  $\tan 2u$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #14

Name \_\_\_\_\_

1. Power-reducing formula  $\tan^2 u$

2.  $\frac{d}{dx}(\operatorname{arccsc} u)$

3.  $\int \sec u du$

4.  $\sec\left(\frac{\pi}{2} - u\right)$

5. Is sine even or odd?





Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #15

Name \_\_\_\_\_

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1. Is cosine even or odd?
2. Sum & difference formula for  $\tan(u+v)$
3.  $\int \csc u \cot u \, du$
4. First Fundamental Theorem of Calculus
5. Power-reducing formula of  $\sin^2 u$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #16

Name \_\_\_\_\_

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1.  $\int \csc u \, du$
2.  $\frac{d}{dx} [\arctan u]$
3. Quotient identity of  $\cot u$
4. Second Fundamental Theorem of Calculus
5.  $\cot\left(\frac{\pi}{2} - u\right)$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #17

Name \_\_\_\_\_

1. Right  $\Delta$  definition of  $\tan\theta$
2.  $\frac{d}{dx}[e^u]$
3. Is cotangent even or odd?
4.  $\sin(u + v) = ?$
5. Pythagorean Identity involving secant

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #18

Name \_\_\_\_\_

1. Pythagorean identity involving cotangent
2. Half-angle formula of  $\tan\frac{u}{2}$
3. Right  $\Delta$  definition of  $\cot\theta$
4. Circular function definition of  $\sin\theta$
5. Product-to-Sum Formula  $\sin u \sin v$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #19 \_\_\_\_\_ Name \_\_\_\_\_

1.  $\csc\left(\frac{\pi}{2} - u\right)$
2. Circular function definition of  $\cos\theta$
3.  $\sin(u - v) = ?$
4. Double angle formula of  $\sin 2\theta$
5. Reciprocal Identity for  $\sin u$

Date \_\_\_\_\_

Quiz 5<sup>th</sup> 6 Weeks #20 \_\_\_\_\_ Name \_\_\_\_\_

1. Double angle formula  $\cos 2u$
2. Is tangent even or odd?
3. Reciprocal identity of  $\cos u$
4. Right  $\Delta$  definition of  $\sec\theta$
5. Sum-to-Product Formula of  $\sin u + \sin v$