

Name: _____
PCH

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Ms. Loughran

Do Now:

For all values of the angle for which the expressions are defined, choose an equivalent expression.

- $\frac{-1}{\cos A}$ is equivalent to
(1) $\sec A$ (2) $-\sec A$ (3) $\sin A$ (4) $-\sin A$
- $\frac{\cot \theta}{\csc \theta}$ is equivalent to
(1) $\sec \theta$ (2) $\sin \theta$ (3) $\cos \theta$ (4) $\csc \theta$
- $\frac{\sec \theta}{\csc \theta}$ is equivalent to
(1) $\sin \theta$ (2) $\cos \theta$ (3) $\tan \theta$ (4) $\cot \theta$
- $\frac{\sin \theta}{\tan \theta}$ is equivalent to
(1) $-\cos \theta$ (2) $\cos \theta$ (3) $1 - \cos \theta$ (4) $1 + \cos \theta$
- $\frac{\sin^2 A}{\tan A}$ is equivalent to
(1) $\frac{\sin A}{\cos A}$ (2) $\sin A \cos A$ (3) $\frac{1}{\sin A \cos A}$ (4) $\frac{\cos A}{\sin A}$
- $\sin \theta$ is equivalent to
(1) $\frac{\tan \theta}{\sec \theta}$ (2) $\frac{1}{\sec \theta}$ (3) $\sec \theta$ (4) $\frac{\sec \theta}{\tan \theta}$
- The expression $\frac{\tan x}{\sec^2 x}$ is equivalent to
(1) $\sin x$ (2) $\sin x \cos x$ (3) $\frac{\sin^3 x}{\cos x}$ (4) $\frac{\cos^3 x}{\sin x}$