

Name: _____

Date _____

Topic: Co Functions - Worksheet 1

1. Find the value of $\sin 45^\circ$

2. $\cos(90^\circ - \theta) =$

3. Simplify
 $\sin(90-x)/\cos(\pi/2-x) = ?$

4. $\sin(\pi/2-x) = 5/10$ and find $\sec x$

5. Simplify
 $\sin(90-x) \cot x$

6. Simplify
 $\sin^2(\pi/2-x)/\tan x$

7. Simplify
 $\cot(90-x)/\sec x$

8. Simplify
 $\sec(90-x)\cos^2 x$

9. Simplify
 $\operatorname{cosec} x \cdot \tan(\pi/2-x)$

10. $\operatorname{cosec}^2 x / \cot^2(\pi/2-x)$



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Topic : Co Functions - Worksheet 2

1. Find the value of $\cos 30^\circ$

2. $\cot(90^\circ - \theta) =$

3. Simplify
 $\sec(\pi/2 - x) / \operatorname{cosec}(\pi/2 - x) = ?$

4. $\cos(\pi/2 - x) = 4/9$ and find $\operatorname{cosec} x$

5. Simplify
 $\sin(90 - x) \operatorname{cosec} x$

6. Simplify
 $\sec^2(\pi/2 - x) / \cos x$

7. Simplify
 $\tan(90 - x) / \operatorname{cosec} x$

8. Simplify
 $\tan(90 - x) \sin^2 x$

9. Simplify
 $\sin x \cdot \cot(\pi/2 - x)$

10. $\sin^2 x / \sin^2(\pi/2 - x)$



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Topic : Co Functions - Worksheet 3

1. Find the value of Cosec 60°

2. $\sin(90^\circ - \Theta) =$

3. Simplify
 $\tan(90-x)/\cot(\pi/2-x) = ?$

4. $\tan(\pi/2-x) = 6/11$ and find $\tan x$

5. Simplify
 $\cot(90-x) \sin x$

6. Simplify
 $\cot^2(\pi/2-x)/\sec x$

7. Simplify
 $\sin(90-x)/\tan x$

8. Simplify
 $\operatorname{cosec}(90-x)\sec^2x$

9. Simplify
 $\tan x \cdot \sec(\pi/2-x)$

10. $\tan^2x / \cos^2(\pi/2-x)$



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Topic : Co Functions - Worksheet 4

1. Find the value of $\tan 45^\circ$

2. $\tan(90^\circ - \Theta) =$

3. Simplify
 $\cos(90-x)/\sin(\pi/2-x) = ?$

4. $\sec(\pi/2-x) = 3/8$ and find $\sin x$

5. Simplify
 $\tan(90-x) \sec x$

6. Simplify
 $\operatorname{cosec}^2(\pi/2-x)/\tan x$

7. Simplify
 $\sec(90-x)/\cot x$

8. Simplify
 $\cot(90-x)\operatorname{cosec}^2x$

9. Simplify
 $\cot x \cdot \sin(\pi/2-x)$

10. $\cos^2x / \operatorname{cosec}^2(\pi/2-x)$



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Topic : Co Functions - Worksheet 5

1. Find the value of $\cot 30^\circ$

2. $\operatorname{cosec}(90^\circ - \Theta) =$

3. Simplify

$\cot(\pi/2 - x) / \tan(\pi/2 - x) = ?$

4. $\operatorname{Cosec}(\pi/2 - x) = 7/12$ and find $\sin x$

5. Simplify

$\operatorname{cosec}(90 - x) \sec x$

6. Simplify

$\tan^2(\pi/2 - x) / \operatorname{cosec} x$

7. Simplify

$\sec(90 - x) / \cos x$

8. Simplify

$\cos(90 - x) \cot^2 x$

9. Simplify

$\cos x \cdot \cos(\pi/2 - x)$

10. $\operatorname{cosec}^2 x / \tan^2(\pi/2 - x)$

