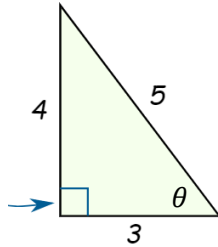


Use the triangle (below) to evaluate the expressions. Then match the expression on the left to its equivalent expression on the right. Lastly, complete the identity by filling in the blanks.



$$\sin^2 \theta + \cos^2 \theta = \underline{\hspace{2cm}}$$

$$\frac{\sin \theta}{\cos \theta} = \underline{\hspace{2cm}}$$

$$1 + \cot^2 \theta = \underline{\hspace{2cm}}$$

$$\frac{\cos \theta}{\sin \theta} = \underline{\hspace{2cm}}$$

$$1 + \tan^2 \theta = \underline{\hspace{2cm}}$$

$\tan \theta$

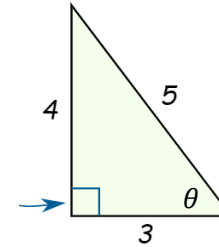
$\cot \theta$

1

$\sec^2 \theta$

$\csc^2 \theta$

Use the triangle (below) to evaluate the expressions. Then match the expression on the left to its equivalent expression on the right. Lastly, complete the identity by filling in the blanks.



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$\tan \theta$

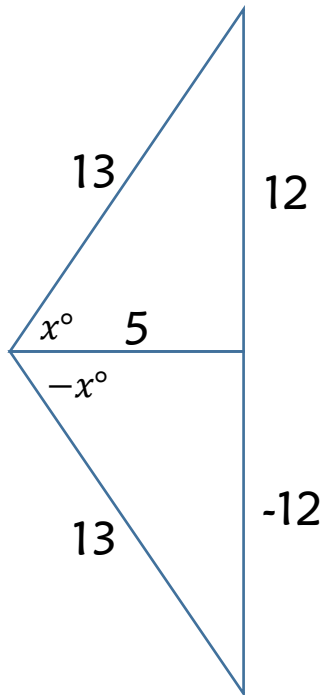
$\cot \theta$

1

$\sec^2 \theta$

$\csc^2 \theta$

Use the triangle (below) to evaluate the expressions.



$$\sin x =$$

$$\sin(-x) =$$

$$\cos x =$$

$$\cos(-x) =$$

$$\tan x =$$

$$\tan(-x) =$$

$$\csc x =$$

$$\csc(-x) =$$

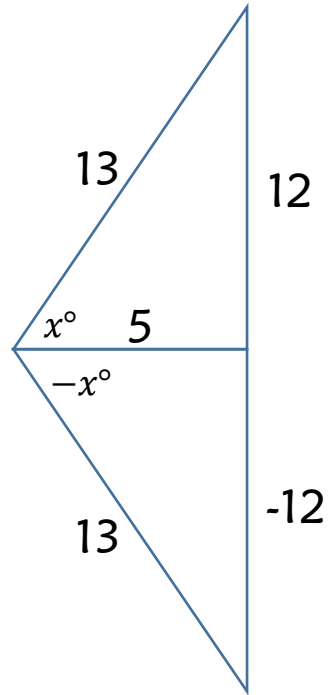
$$\sec x =$$

$$\sec(-x) =$$

$$\cot x =$$

$$\cot(-x) =$$

Use the triangle (below) to evaluate the expressions.



$$\sin x =$$

$$\sin(-x) =$$

$$\cos x =$$

$$\cos(-x) =$$

$$\tan x =$$

$$\tan(-x) =$$

$$\csc x =$$

$$\csc(-x) =$$

$$\sec x =$$

$$\sec(-x) =$$

$$\cot x =$$

$$\cot(-x) =$$