

Name : _____

Trigonometric Ratios of Allied Angles

Find the exact value of each trigonometric ratio.

1) $\tan \frac{19\pi}{3}$

2) $\sin \frac{11\pi}{4}$

3) $\sec \frac{13\pi}{6}$

5) $\csc \left(-\frac{41\pi}{6}\right)$

7) $\cot \frac{25\pi}{3}$

8) $\tan (-5\pi)$

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Trigonometric Ratios of Allied Angles

Find the exact value of each trigonometric ratio.

1) $\tan \frac{19\pi}{3}$

2) $\sin \frac{11\pi}{4}$

 $\sqrt{3}$ $\frac{\sqrt{2}}{2}$

3) $\sec \frac{13\pi}{6}$

PREVIEW

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 $\frac{2\sqrt{3}}{3}$

5) $\csc \left(-\frac{41\pi}{6}\right)$

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 -2 $\frac{1}{2}$

7) $\cot \frac{25\pi}{3}$

8) $\tan (-5\pi)$

 $\frac{\sqrt{3}}{3}$ 0