Name:

Date:

Trig ratios of General Angles

Use a calculator to find each. Round your answers to the nearest ten-Thousandth.

1) $\sin 150° =$

2) $\cos 225° =$

3) $\tan 330° =$

4) $\cos \frac{7\pi}{4} =$

5) $\cot 322° =$

6) $\sin \frac{5\pi}{3} =$

7) $\sin 280° =$

8) $\cos 210° =$

9) $\tan 89° =$

10) $\tan \frac{9\pi}{4} =$

11) $\tan 89.9° =$

12) $\tan 89.99° =$

13) $\sin \frac{10\pi}{3} =$

14) $\tan \frac{8\pi}{3} =$

15) $\sin 155° =$

16) $\sin(-\frac{\pi}{4}) =$

17) $\cos 5450° =$

18) $\sin 1050° =$

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Name:

Date:

Trig ratios of General Angles

Answers

Use a calculator to find each. Round your answers to the nearest ten-Thousandth.

1) $\sin 150° = \frac{1}{2}$

2) $\cos 225° = -\frac{\sqrt{2}}{2} = -0.707$

3) $\tan 330° = -\frac{\sqrt{3}}{3} = -0.57$

4) $\cos \frac{7\pi}{4} = \frac{\sqrt{2}}{2} = 0.707$

5) $\cot 322° = -1.278$

6) $\sin \frac{5\pi}{3} = -\frac{\sqrt{3}}{2} = -0.866$

7) $\sin 280° = -0.98$

8) $\cos 210° = -\frac{\sqrt{3}}{2} = -0.866$

9) $\tan 89° = 57.2899$

10) $\tan \frac{9\pi}{4} = +1$

11) $\tan 89.9° = 572.957$

12) $\tan 89.99° = 5729.57$

13) $\sin \frac{10\pi}{3} = -\frac{\sqrt{3}}{2} = -0.866$

14) $\tan \frac{8\pi}{3} = -\sqrt{3} = -1.73$

15) $\sin 155° = 0.422$

16) $\sin(-\frac{\pi}{4}) = -\frac{\sqrt{2}}{2} = -0.707$

17) $\cos 5450° = 0.642$

18) $\sin 1050° = -\frac{1}{2}$

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