

Math 3 Advanced

18.2 Evaluate a Trig. Exp.

Find each trig. value to the nearest thousandth.

1. $\tan \frac{2\pi}{3}$

2. $\sin \frac{3\pi}{4}$

3. $\csc \frac{3\pi}{4}$

4. $\sec \frac{3\pi}{4}$

5. $\cos \frac{5\pi}{6}$

6. $\sin \pi$

7. $\tan \pi$

8. $\csc \pi$

9. $\sin \frac{7\pi}{6}$

10. $\cot \frac{7\pi}{6}$

11. $\sin \frac{5\pi}{4}$

12. $\sec \frac{5\pi}{4}$

13. $\sin \frac{4\pi}{3}$

14. $\sec \frac{4\pi}{3}$

15. $\sin \frac{3\pi}{2}$

16. $\csc \frac{3\pi}{2}$

Answer List

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|---------------------------|-------------------------|
| 1. $-\sqrt{3}$ | 2. $\frac{\sqrt{2}}{2}$ |
| 3. $\sqrt{2}$ | 4. $-\sqrt{2}$ |
| 5. $-\frac{\sqrt{3}}{2}$ | 6. 0 |
| 7. 0 | 8. undef. |
| 9. $-\frac{1}{2}$ | 10. $\sqrt{3}$ |
| 11. $-\frac{\sqrt{2}}{2}$ | 12. $-\sqrt{2}$ |
| 13. $-\frac{\sqrt{3}}{2}$ | 14. -2 |
| 15. -1 | 16. -1 |

Catalog List

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|----------------|----------------|----------------|----------------|
| 1. TRI OF 153 | 2. TRI OF 157 | 3. TRI OF 160 | 4. TRI OF 161 |
| 5. TRI OF 164 | 6. TRI OF 169 | 7. TRI OF 171 | 8. TRI OF 172 |
| 9. TRI OF 175 | 10. TRI OF 180 | 11. TRI OF 181 | 12. TRI OF 185 |
| 13. TRI OF 187 | 14. TRI OF 191 | 15. TRI OF 193 | 16. TRI OF 196 |