

Math 8
Review for Test #1

Pgs. 97-98 Chapter 1 Review 1, 3, 5, 25, 27, 29, 31, 35

Pgs. 199-201 Chapter 2 Review 1-45(odd), 79, 81, 83, 87, 93, 95, 97

Pg. 202 Chapter 2 Test 1-17, 19-24, 30

Here are a few additional practice problems.

Find the exact value of each of the following. Do not use a calculator.

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|---------------------------|--------------------------|----------------------------|---|
| 1. $\sin 210^\circ$ | 2. $\cos 330^\circ$ | 3. $\cot 300^\circ$ | 4. $\sec 225^\circ$ |
| 5. $\csc 90^\circ$ | 6. $\tan 630^\circ$ | 7. $\sin(-150^\circ)$ | 8. $\cot(-225^\circ)$ |
| 9. $\cos \frac{2\pi}{3}$ | 10. $\sin \frac{\pi}{4}$ | 11. $\tan \frac{5\pi}{6}$ | 12. $\cos \frac{5\pi}{4}$ |
| 13. $\sec \frac{7\pi}{3}$ | 14. $\sin 19\pi$ | 15. $\tan \frac{39\pi}{4}$ | 16. $\csc\left(-\frac{17\pi}{6}\right)$ |
| 17. $\cot \frac{7\pi}{6}$ | 18. $\cos 0$ | 19. $\csc 0$ | 20. $\tan 0$ |

Answers:

- | | | | |
|-------------------|--------------------------|---------------------------|---------------------------|
| 1. $-\frac{1}{2}$ | 2. $\frac{\sqrt{3}}{2}$ | 3. $-\frac{1}{\sqrt{3}}$ | 4. $-\sqrt{2}$ |
| 5. 1 | 6. undefined | 7. $-\frac{1}{2}$ | 8. -1 |
| 9. $-\frac{1}{2}$ | 10. $\frac{1}{\sqrt{2}}$ | 11. $-\frac{1}{\sqrt{3}}$ | 12. $-\frac{1}{\sqrt{2}}$ |
| 13. 2 | 14. 0 | 15. -1 | 16. -2 |
| 17. $\sqrt{3}$ | 18. 1 | 19. undefined | 20. 0 |