

LEMBAR KERJA SISWA: TRIGONOMETRI
Nilai Perbandingan Sudut Istimewa ($0^\circ \leq \theta \leq 360^\circ$)

Nama : _____

Kelas : _____

Tanggal : _____

Nilai : _____

Menentukan nilai perbandingan menggunakan sudut istimewa (gunakan konsep nilai kuadran)

SOAL MUDAH	SOAL SEDANG	SOAL SULIT
1. $\sin 30^\circ = \dots$	1. $\sec 120^\circ = \dots$	1. $\frac{(\sin 210^\circ + \cos 120^\circ)}{(\tan 225^\circ - \cos 300^\circ)} = \dots$
2. $\cos 120^\circ = \dots$	2. $\csc 210^\circ = \dots$	2. $\sin^2 135^\circ + \cos^2 225^\circ - \tan^2 300^\circ = \dots$
3. $\tan 225^\circ = \dots$	3. $\cot 315^\circ = \dots$	3. $\frac{(\cos 330^\circ \cdot \sin 240^\circ)}{(\tan 150^\circ \cdot \csc 210^\circ)} = \dots$
4. $\sin 270^\circ = \dots$	4. $\sin 120^\circ + \cos 210^\circ = \dots$	4. $\frac{(1 - \tan^2 120^\circ)}{(1 + \tan^2 120^\circ)} = \dots$
5. $\cos 210^\circ = \dots$	5. $\tan 225^\circ - \sin 150^\circ = \dots$	5. $\frac{(\sin 120^\circ + \sin 240^\circ)}{(\cos 150^\circ - \cos 210^\circ)} = \dots$
6. $\tan 135^\circ = \dots$	6. $\cos 300^\circ \cdot \tan 135^\circ = \dots$	6. $\frac{(\sec 300^\circ \cdot \tan 225^\circ)}{(\cot 135^\circ + \sin 270^\circ)} = \dots$
7. $\sin 150^\circ = \dots$	7. $\sec 300^\circ + \csc 150^\circ = \dots$	7. $\sin^2 210^\circ + \cos^2 300^\circ + \tan^2 225^\circ = \dots$
8. $\cos 300^\circ = \dots$	8. $\sin 240^\circ \cdot \cos 150^\circ = \dots$	8. $\frac{(\tan 300^\circ - \tan 120^\circ)}{(1 + \tan 300^\circ \cdot \tan 120^\circ)} = \dots$
9. $\tan 315^\circ = \dots$	9. $\cot 150^\circ \cdot \tan 300^\circ = \dots$	
10. $\sin 240^\circ = \dots$	10. $\frac{\sin 135^\circ}{\cos 225^\circ} = \dots$	
11. $\cos 180^\circ = \dots$		

12. $\tan 300^\circ = \dots$	11. $\frac{\tan 210^\circ}{\cos 330^\circ} = \dots$	9. $\frac{(\cos 240^\circ - \sin 330^\circ)}{(\tan 135^\circ + \cot 315^\circ)} = \dots$
13. $\sin 330^\circ = \dots$	12. $\csc 300^\circ = \dots$	10. $\frac{(\csc 240^\circ \cdot \sec 150^\circ)}{(\tan 210^\circ \cdot \cot 300^\circ)} = \dots$
14. $\cos 135^\circ = \dots$	13. $\sec 135^\circ = \dots$	11. $\frac{(\sin 315^\circ \cdot \cos 135^\circ)}{(\tan 225^\circ + \cot 225^\circ)} = \dots$
15. $\tan 150^\circ = \dots$	14. $\sin 315^\circ + \cos 135^\circ = \dots$	12. $\frac{(2 \tan 150^\circ)}{(1 - \tan^2 150^\circ)} = \dots$
16. $\sin 225^\circ = \dots$	15. $\tan 240^\circ - \cot 210^\circ = \dots$	13. $\frac{(\sin^2 300^\circ - \cos^2 300^\circ)}{\sin 150^\circ} = \dots$
17. $\cos 240^\circ = \dots$	16. $\cos 240^\circ - \sin 330^\circ = \dots$	14. $\frac{(\sec^2 225^\circ - \tan^2 225^\circ)}{\csc 270^\circ} = \dots$
18. $\tan 0^\circ = \dots$	17. $\sec 225^\circ \cdot \csc 315^\circ = \dots$	15. $\frac{(\cos 120^\circ \cdot \cos 240^\circ)}{(\tan 180^\circ + 1)} = \dots$
19. $\sin 360^\circ = \dots$	18. $\sin 150^\circ \cdot \cos 120^\circ = \dots$	16. $\frac{(\cot 210^\circ + \cot 330^\circ)}{(\sin 225^\circ \cdot \cos 315^\circ)} = \dots$
20. $\cos 315^\circ = \dots$	19. $\cot 240^\circ + \tan 120^\circ = \dots$	17. $\frac{(\sin 300^\circ + \cos 210^\circ)}{(\tan 240^\circ \cdot \csc 120^\circ)} = \dots$
	20. $\frac{(\cos 180^\circ + \sin 270^\circ)}{\tan 225^\circ} = \dots$	18. $\frac{(\tan^2 135^\circ + 2 \cos 300^\circ)}{(\sec 180^\circ + \csc 90^\circ)} = \dots$
		19. $\frac{(\sin 150^\circ \cdot \cos 300^\circ)}{(\cos 360^\circ + 1)} = \dots$
		20. $\frac{(\sqrt{3} \tan 240^\circ - 2)}{(\sec 300^\circ + \cot 135^\circ)} = \dots$