TRIGONOMETRIE : équations

Exercices récapitulatifs sur les équations

1. $2 \cos 2x + \sqrt{3} = 0$
2. $\cos (2x - 60°) = -1$
3. $\sin x + \cos (\pi/3) = 0$
4. $\text{tg } x + \text{cotg } (\pi/3) = 0$
5. $\cos 2x + \sin x = 0$
6. $\text{tg } x \text{ tg } 3x = 1$
7. $\sin (2x - (\pi/6)) = \cos (x + (\pi/3))$
8. $\sin 2x \text{ cosec } ((\pi/3) - x) = -1$
9. $\cos 2x + \cos 3x = 0$
10. $\text{tg}^2 x = 3(\sec x - 1)$
11. $2 \cos^2 x + 4 \sin^2 x = 3$
12. $2 \sin x = \text{cosec } x$
13. $\text{tg } x + 1 = \sqrt{3} (\text{cotg } x + 1)$
14. $3 \cos^2 x + 2 \sin^2 x = 2.75$
15. $\sin 2x = 2 \sin x$
16. $\cos 2x = \sin^2 x$
17. $\text{tg } 2x - 2\text{tg } x = 0$
18. $2 \cos^2 x = 3 \sin x \cos x$
19. $\text{tg } x \text{ cotg } 2x = \text{tg } 2x \text{ cotg } x$
20. $\text{tg}^2 4x = \text{cotg}^2 x$
21. $\text{tg}^2 x - 4 \text{ tg } x + 3 = 0$
22. $2 \cos^2 x - \sin^2 x - 2 \cos x = 0$
23. $\text{tg} x = 3 \text{ cotg } x$
24. $\text{tg } x \text{ tg } (x/2) = 1$
25. $\text{tg}^2 x + 5 = 7 / \cos x$
26. $2 \cos^3 x - 3 \sin^2 x \cos x = 0$
27. $\cos x - \text{tg } x = 0$
28. $2 \cos^2 x = \cos x$
29. $\sec^2 x - 4 \text{ tg} x + 2 = 0$
30. $9 \sin^2 x + 27 \sin x - 10 = 0$
31. $\text{tg } 4x + \text{tg } 3x = 0$