

5.4 Tangent, Cotangent, Secant, and Cosecant

Sketch the graph of the function over a two period interval.

1. $y = \tan 4x$

2. $y = 3 \tan x$

3. $y = \tan 2x$

4. $y = \tan \frac{1}{4}x$

5. $y = \tan \left(x - \frac{\pi}{2}\right)$

6. $y = \tan \left(x + \frac{\pi}{4}\right)$

7. $y = -\tan x$

8. $y = -\tan \left(x - \frac{\pi}{2}\right)$

9. $y = 2 \cot x$

10. $y = \cot 2x$

11. $y = \cot \frac{1}{2}x$

12. $y = \csc x$

13. $y = \csc(2x)$

14. $y = \csc \left(x - \frac{\pi}{4}\right)$

15. $y = \sec x$

16. $y = \sec \frac{1}{2}x$