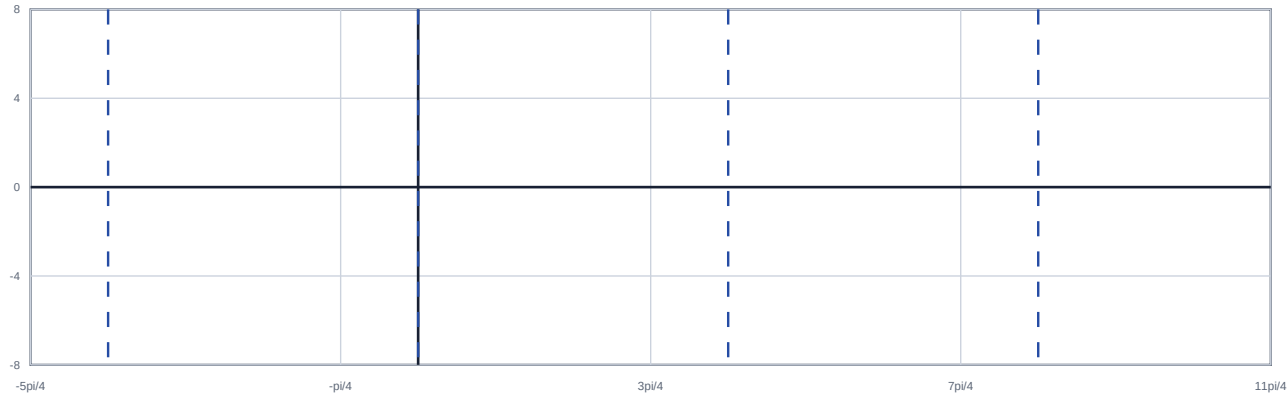


Graphs of Tangent, Cotangent, Secant, and Cosecant

Mark every vertical asymptote, zero or vertex, and draw each branch without crossing an asymptote. State the period and domain exclusions.

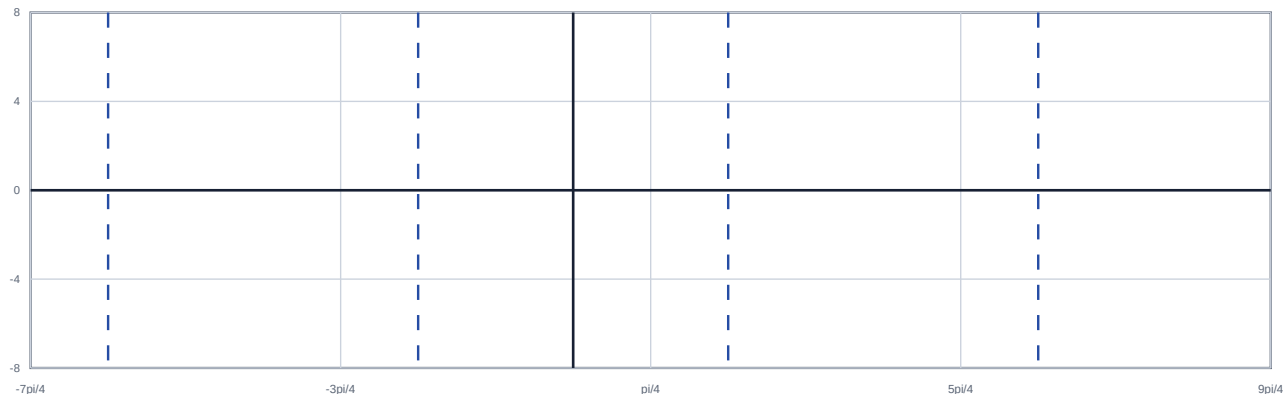
1. Graph $y = \csc(x)$ over the displayed two-period window.

Assumptions: Angles use the selected unit. The graph window spans two complete periods, and disconnected branches stop at vertical asymptotes.



2. Graph $y = \sec(x)$ over the displayed two-period window.

Assumptions: Angles use the selected unit. The graph window spans two complete periods, and disconnected branches stop at vertical asymptotes.

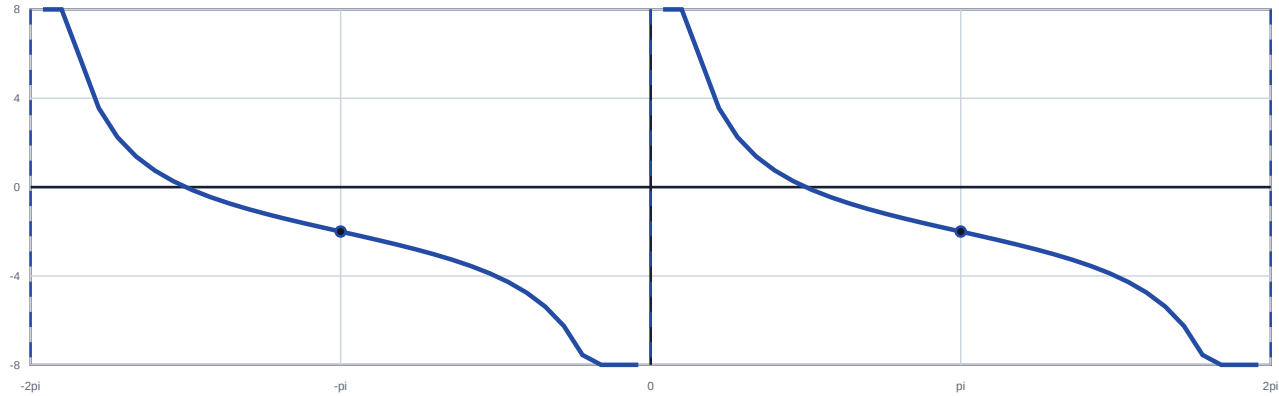


Graphs of Tangent, Cotangent, Secant, and Cosecant

Mark every vertical asymptote, zero or vertex, and draw each branch without crossing an asymptote. State the period and domain exclusions.

3. Write one valid equation for the displayed graph.

Assumptions: Angles use the selected unit. The graph window spans two complete periods, and disconnected branches stop at vertical asymptotes.



4. Graph $y = 3\tan(2(x - \pi/4)) - 2$ over the displayed two-period window.

Assumptions: Angles use the selected unit. The graph window spans two complete periods, and disconnected branches stop at vertical asymptotes.

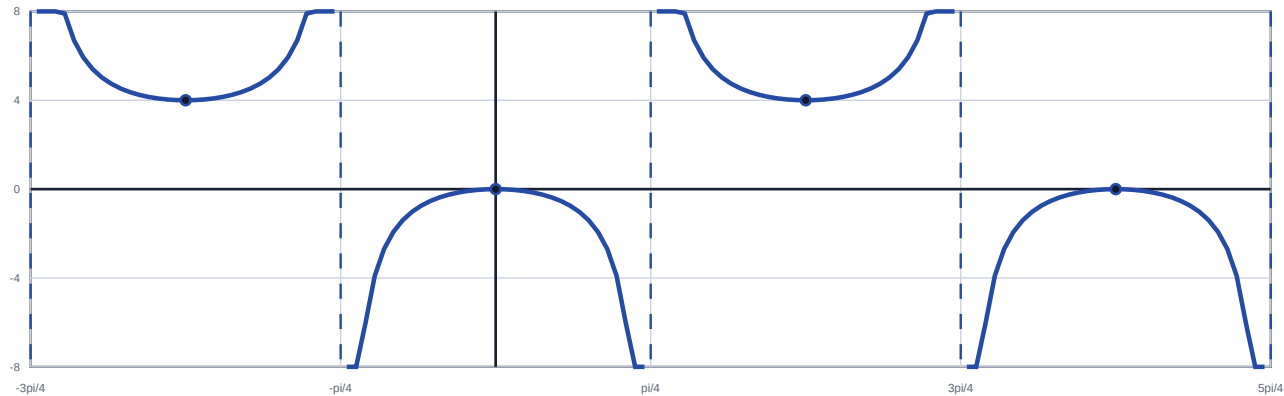


Graphs of Tangent, Cotangent, Secant, and Cosecant

Mark every vertical asymptote, zero or vertex, and draw each branch without crossing an asymptote. State the period and domain exclusions.

5. Write one valid equation for the displayed graph.

Assumptions: Angles use the selected unit. The graph window spans two complete periods, and disconnected branches stop at vertical asymptotes.



6. Graph $y = 2\cot(2(x - \pi/8)) - 2$ over the displayed two-period window.

Assumptions: Angles use the selected unit. The graph window spans two complete periods, and disconnected branches stop at vertical asymptotes.

