

More Examples

1. **$y = \tan x$**

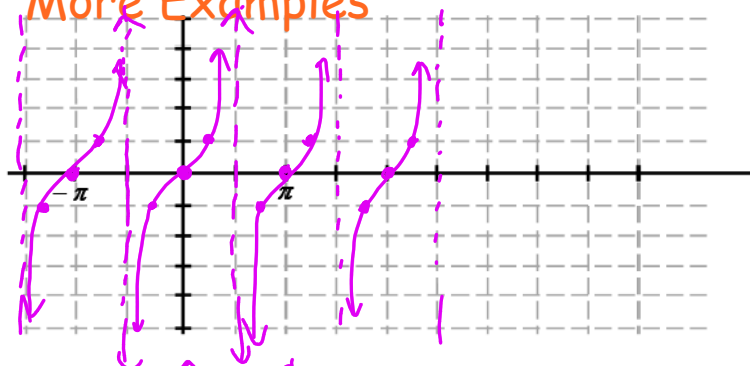
Vert. Shift:

Phase Shift:

Amplitude:

Period: π

Curve:



2. **$y = \cot x$**

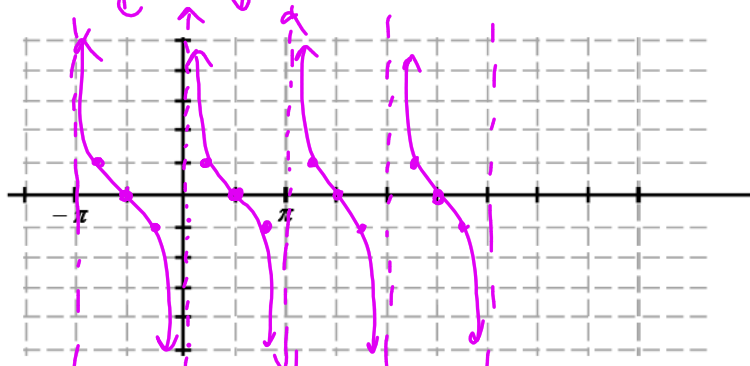
Vert. Shift:

Phase Shift:

Amplitude:

Period: π

Curve:



3. **$y = \csc x$**

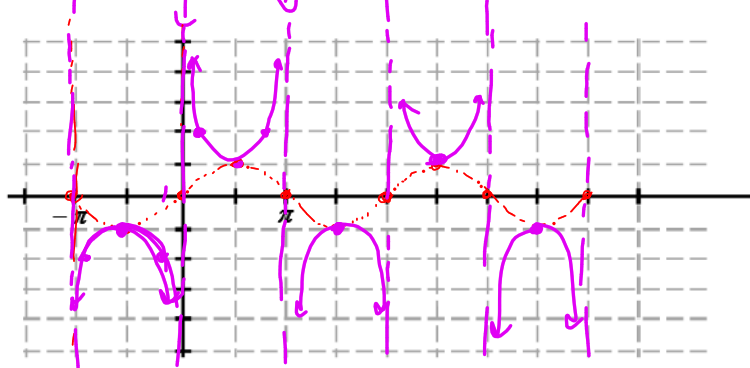
Vert. Shift:

Phase Shift:

Amplitude:

Period: 2π

Curve: $\csc x$



4. **$y = \sec x$**

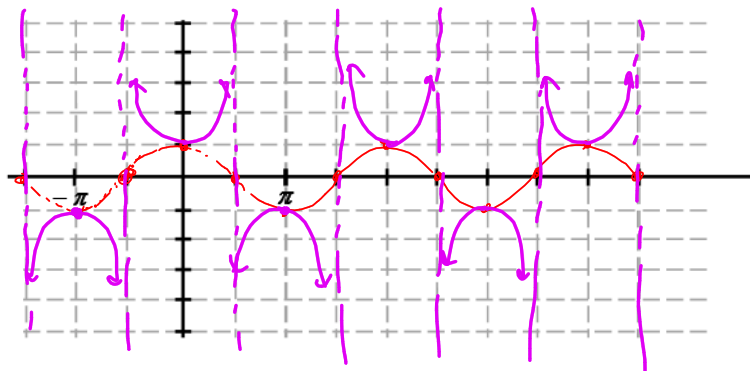
Vert. Shift:

Phase Shift:

Amplitude:

Period: 2π

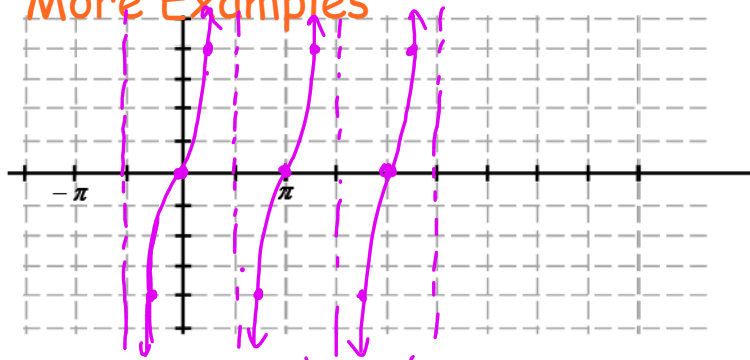
Curve: $\sec x$



More Examples

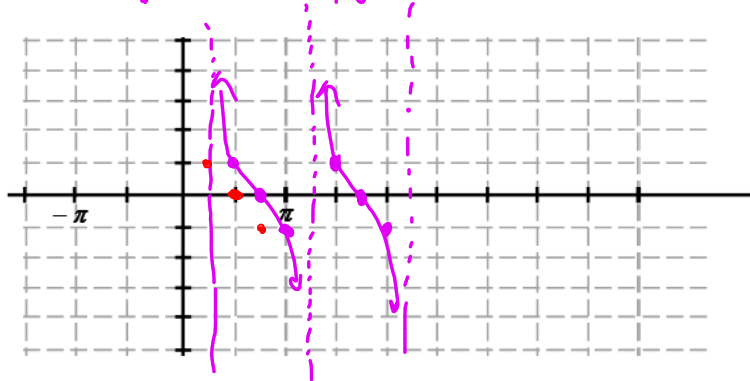
1. $y = 4 \tan x$

- Vert. Shift:
- Phase Shift:
- Amplitude: 4
- Period: π
- Curve: *tan*



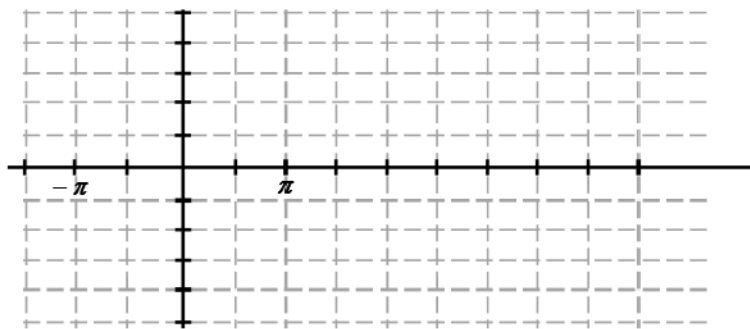
2. $y = \cot\left(x - \frac{\pi}{4}\right)$

- Vert. Shift:
- Phase Shift: *rt. 45°*
- Amplitude:
- Period: π
- Curve: *cot*



3. $y = 2 \csc x$

- Vert. Shift:
- Phase Shift:
- Amplitude:
- Period:
- Curve:



4.



- Vert. Shift: *down 2*
- Phase Shift: *—*
- Amplitude: *2*
- Period: $\frac{2\pi}{1/3} = 6\pi$
- Curve:

$2 \cos\left(\frac{1}{3}x\right) - 2$

