

Graphing

White Boards

Graph 1 period of the function. Label all asymptotes

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

2. $y = 3 \csc\left(\frac{x}{2}\right)$

3. $y = -3 \csc(\pi x - \pi) - 1$

Graph 1 period of the function. Label all asymptotes

1. $y = \sec(3x)$

2. $y = 2\sec(\pi x)$

3. $y = -2\sec(4x - \pi) + 1$

Graph 1 period of the function. Label all asymptotes

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

1. $y = \sec(3x)$

2. $y = 3 \csc\left(\frac{x}{2}\right)$

2. $y = 2 \sec(\pi x)$

3. $y = -3 \csc(\pi x - \pi) - 1$

3. $y = -2 \sec(4x - \pi) + 1$

Graph 1 period of the function. Label all asymptotes

1. $y = 3 \csc\left(\frac{\pi}{2}x\right)$

2. $y = 2 \sec\left(\frac{x}{3}\right)$

5. $y = 2 \csc(5x - \pi) + 1$

6. $y = -2 \sec\left(\pi x - \frac{\pi}{2}\right) - 1$

Graph 1 period of the function. Label all asymptotes

1. $y = \tan(2x)$

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

3. $y = -\tan 5\left(x - \frac{\pi}{10}\right)$

4. $y = -2 \tan(4x - \pi)$

5. $y = 3 \tan\left(\frac{\pi}{2}x + \frac{\pi}{4}\right) + 1$

Graph 1 period of the function. Label all asymptotes

1. $y = \cot(3x)$

2. $y = 3 \cot\left(\frac{x}{4}\right)$

3. $y = -2 \cot(4x) - 1$

4. $y = 2 \cot 4\left(x + \frac{\pi}{8}\right) + 2$

5. $y = -3 \cot(\pi x - \pi) - 1$

Graph 1 period of the function. Label all asymptotes

1. $y = 3 \tan\left(\frac{x}{6}\right)$

2. $y = 2 \tan \pi\left(x - \frac{1}{4}\right) + 2$

Graph 1 period of the function. Label all asymptotes

1. $y = 2 \cot\left(\frac{\pi}{3}x\right)$

2. $y = 3 \tan\left(\frac{x}{5}\right)$

3. $y = -2 \cot(2x - \pi) + 1$

4. $y = -3 \tan\left(\pi x - \frac{\pi}{3}\right) - 1$