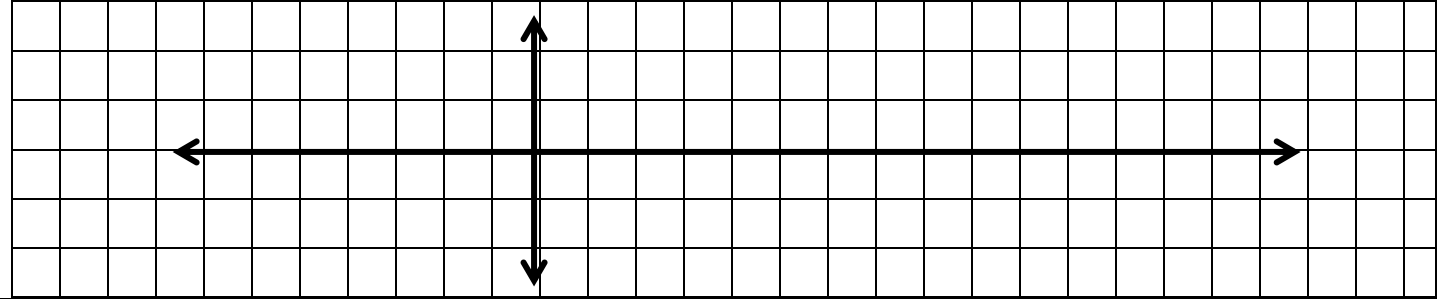


Transforming a tan & cot wave

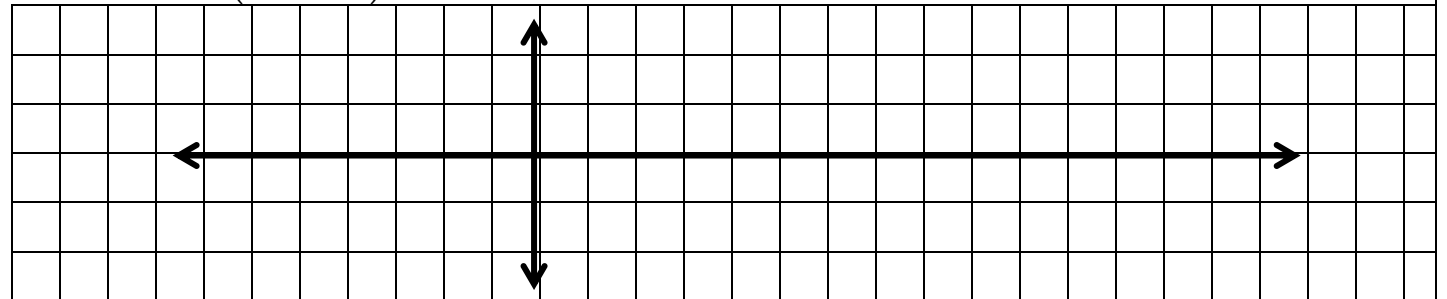
Name _____

Graph each function labeling one complete period.

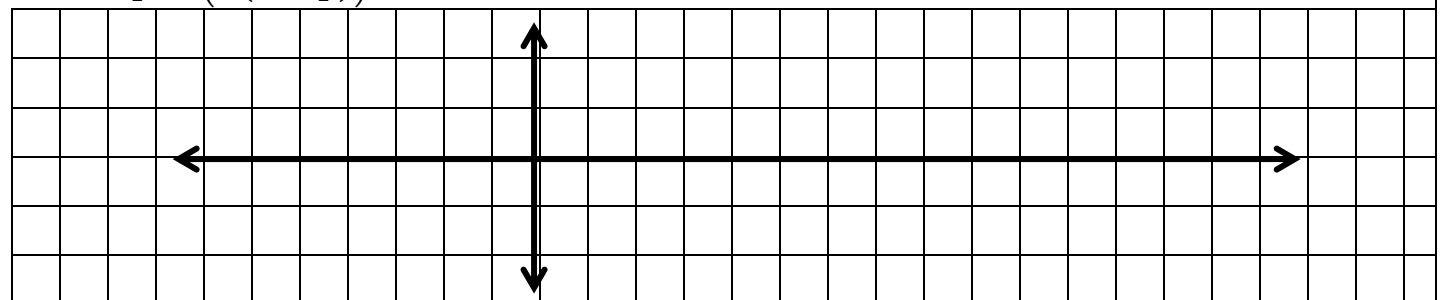
1) $y = 4 \tan\left(\frac{1}{2}x\right) + 1$



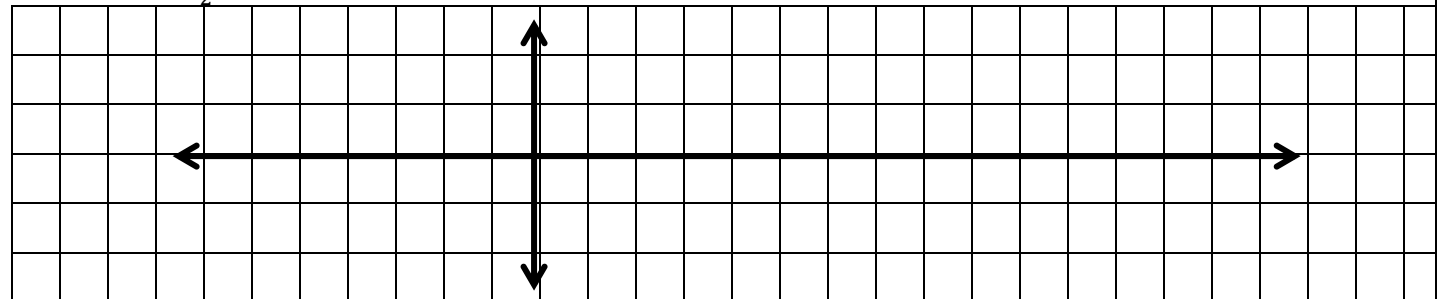
2) $y = -2 \tan\left(3\left(x - \frac{\pi}{2}\right)\right)$



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



4) $y = 4 \cot \frac{x}{2}$



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

