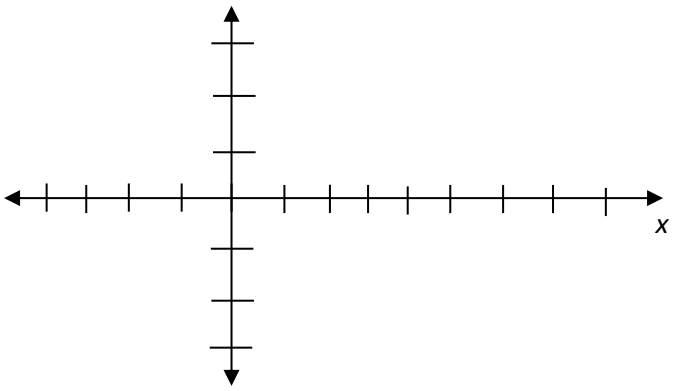
4.5 (Tan & Cot) Name:_____

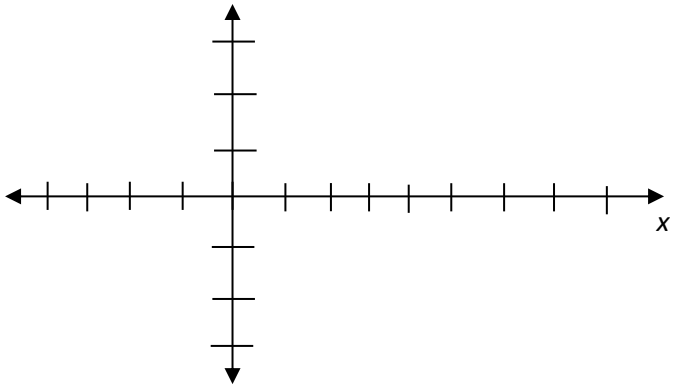
Find the vertical asymptotes of the following functions:

1) $y = -\tan 2\left(x + \frac{\pi}{2}\right)$ 2) $y = 2\cot\frac{1}{4}x$ 3) $y = 4\tan \pi x$ 4) $f(x) = -\cot 2x - 3$

Sketch a graph of the following functions:

5) $y = -\tan 4x + 2$ 6) $y = 2\cot\left(x + \frac{\pi}{2}\right)$





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