

Trig Graphing WS
Sine, Cosine, Cosecant, Secant

Name _____

Graph one complete period for each function, labeling the horizontal axis and vertical axis. Also state the period, and domain and range of that period. ** Remember: $\theta \rightarrow$ *degrees* and $x \rightarrow$ *radians*. **

1) $y = \sin(2x + \pi)$

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

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

4) $y = -\cos(-x - \pi) - 3$

5) $y = 3 \sec(-2x) + 2$

$$6) y = \csc\left(3x - \frac{\pi}{2}\right)$$

$$7) y = 2\sin(4x + \pi) + 1$$

$$8) y = 3\csc x + 1$$

$$9) y = 2\sec(4x + \pi) - 1$$

$$10) y = \frac{1}{2}\sin(8x - 4\pi) + 1$$
