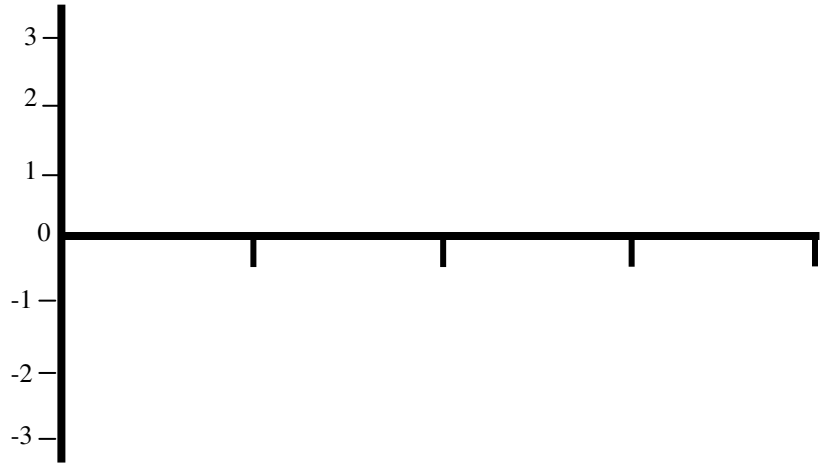


Graph each the trigonometric function by making a table of values. Label both degrees and radians on the graph.

1. $y = \sin(2\theta)$

θ	x	y



2. Find the period for each function. Explain how you arrived at your answer.

(a) $y = 4 \cos \theta$ _____

(b) $y = \frac{1}{2} \tan x$ _____

(c) $y = \csc(6x)$ _____

(d) $y = \tan(2\theta)$ _____

3. Does the period of a function affect its **domain**? _____

Explain your answer _____

4. Does the period of a function affect its **range**? _____

Explain your answer _____

Practice with Amplitude and Period

State the amplitude and period of each function. Then draw a graph of one period. (2 periods for tangent).

5. $y = -4\cos(3\theta)$

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

7. $y = \sin\left(\frac{1}{2}\theta\right)$

8. $y = 2\tan(3x)$

9. $y = 3\sin(2x)$