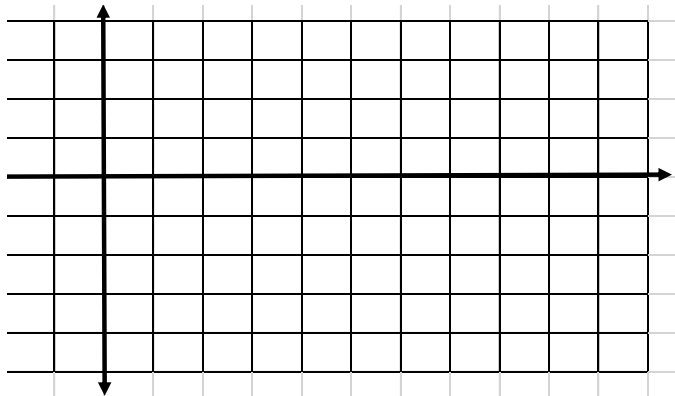


U6 – Graphs of Periodic Functions

For each function, graph one cycle. List amplitude, period, x-axis scale and y-displacement used for each graph.

1. $y = 3\sin \theta$



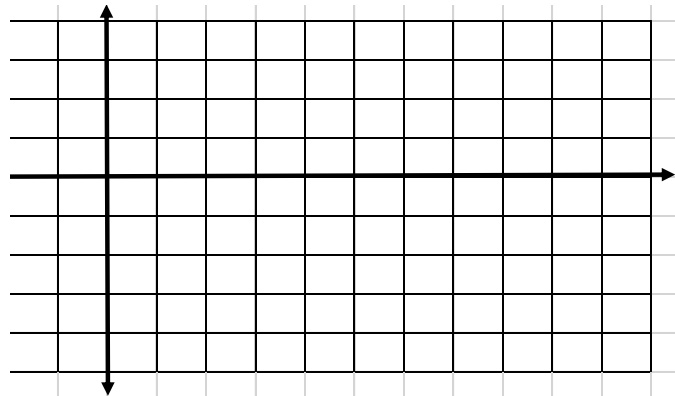
Amplitude: _____

Period: _____

X-axis scale: _____

y-displacement: _____

2. $y = \cos 2\theta$



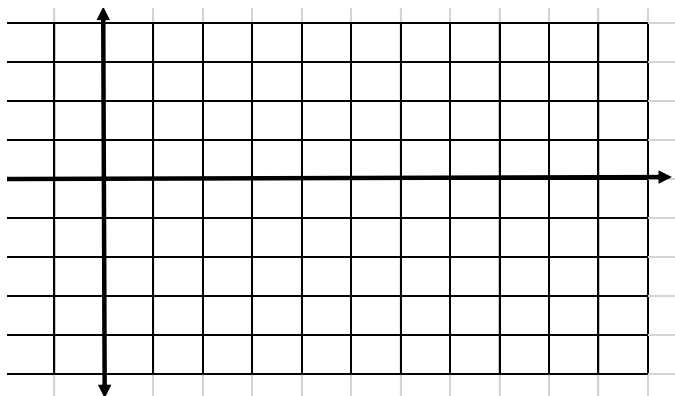
Amplitude: _____

Period: _____

X-axis scale: _____

y-displacement: _____

3. $y = 2\cos \theta - 1$



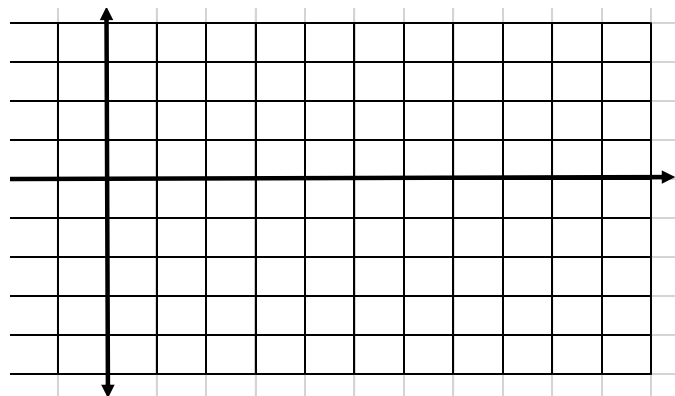
Amplitude: _____

Period: _____

X-axis scale: _____

y-displacement: _____

4. $y = \sin \theta + 3$



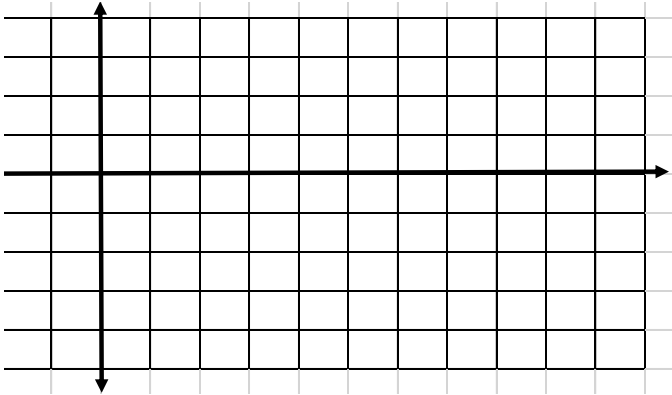
Amplitude: _____

Period: _____

X-axis scale: _____

y-displacement: _____

5. $y = 4 \sin \frac{1}{2} \theta$



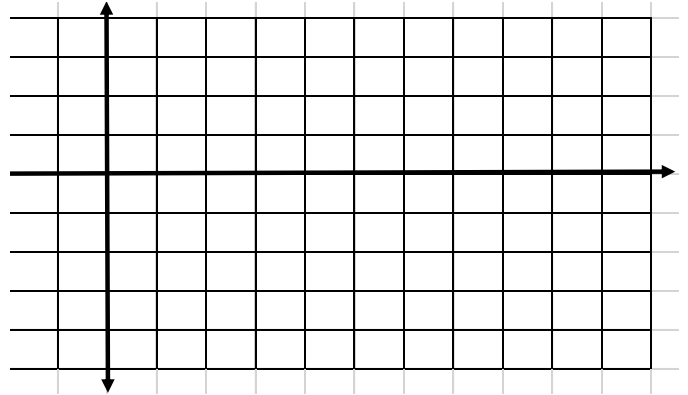
Amplitude: _____

Period: _____

X-axis scale: _____

y-displacement: _____

6. $y = \cos \frac{1}{4} \theta - 2$



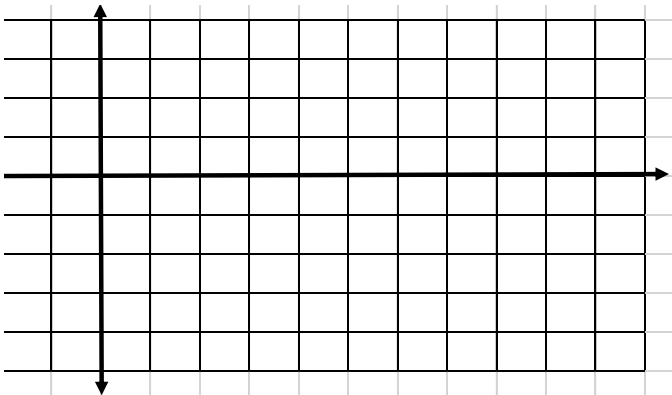
Amplitude: _____

Period: _____

X-axis scale: _____

y-displacement: _____

7. $y = 2 \cos 4\theta + 1$



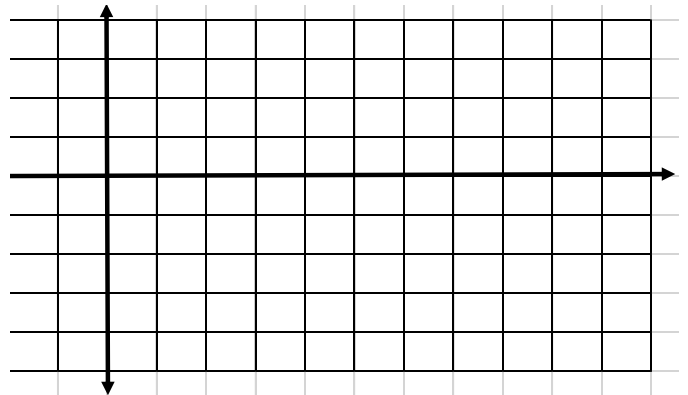
Amplitude: _____

Period: _____

X-axis scale: _____

y-displacement: _____

8. $y = 2 \sin 2\theta + 3$



Amplitude: _____

Period: _____

X-axis scale: _____

y-displacement: _____