

For each problem, determine the domain, range, amplitude, and period. Then graph. For #'s 1-4 θ is in degrees:

1) $y = \sin 2\theta$

2) $y = \cos \frac{1}{2}\theta$

Domain: _____ Range: _____
Amplitude: _____ Period: _____

Domain: _____ Range: _____
Amplitude: _____ Period: _____

3) $y = 2 \cos \theta$

4) $y = 3 \sin 2\theta$

Domain: _____ Range: _____
Amplitude: _____ Period: _____

Domain: _____ Range: _____
Amplitude: _____ Period: _____

For each problem, determine the domain, range, amplitude, and period. Then graph. For #'s 5-6 θ is in radians:

5) $y = \cos \frac{\theta}{3}$

6) $y = 5 \sin(5\theta)$

Domain: _____ Range: _____
Amplitude: _____ Period: _____

Domain: _____ Range: _____
Amplitude: _____ Period: _____