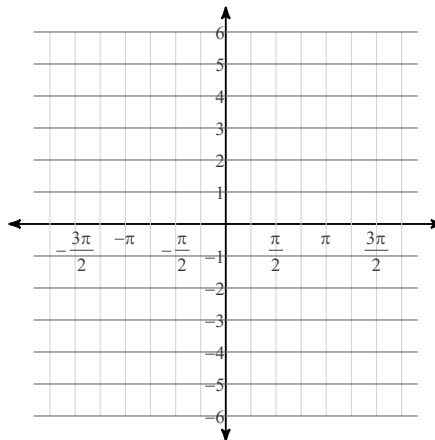
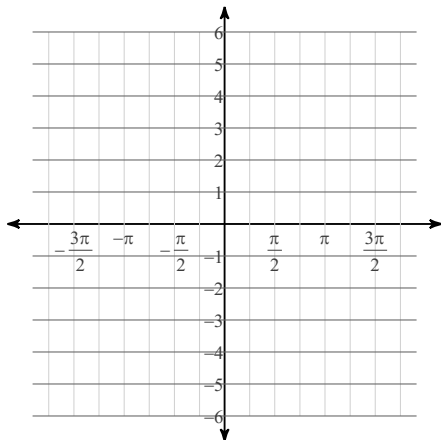


Graphing Sine/Cosine K#16

Find the amplitude and the vertical shift. Then sketch the graph using radians.

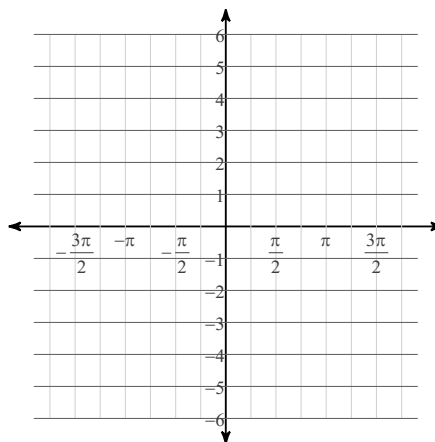
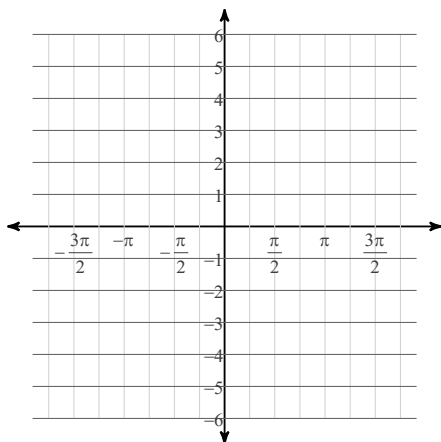
1) $y = -1 + 4\sin \theta$

2) $y = 1 + \cos \theta$

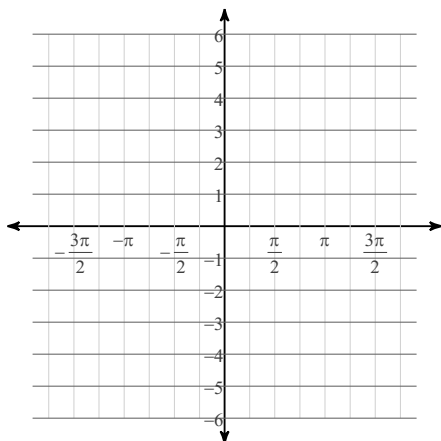


3) $y = 2\cos \theta + 2$

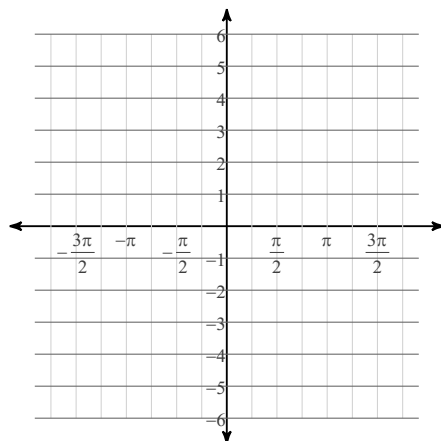
4) $y = 4\sin \theta + 2$



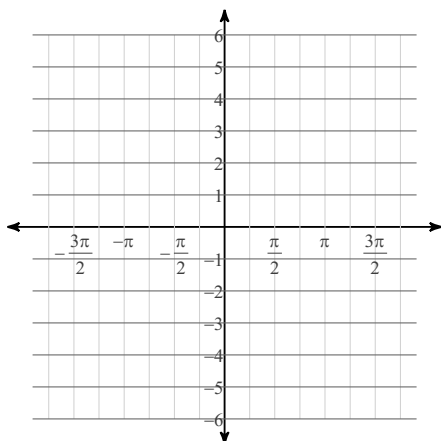
5) $y = 2\sin \theta + 1$



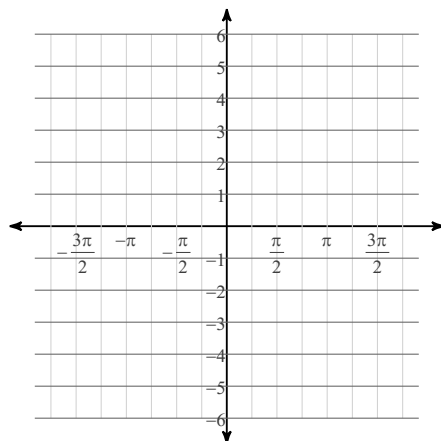
6) $y = 3\sin \theta + 1$



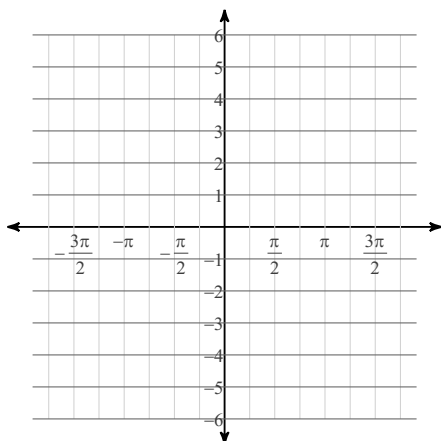
7) $y = \frac{1}{2} \cdot \sin \theta - 2$



8) $y = 1 + 4\cos \theta$



9) $y = 4\cos \theta - 2$



10) $y = \sin \theta - 1$

