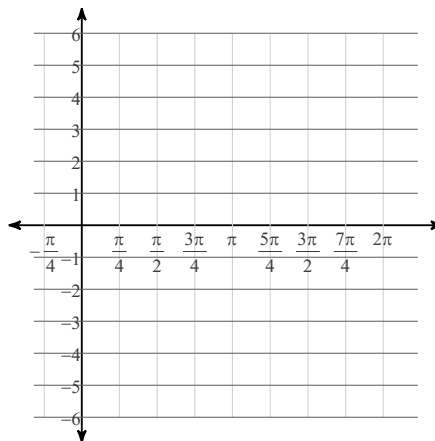
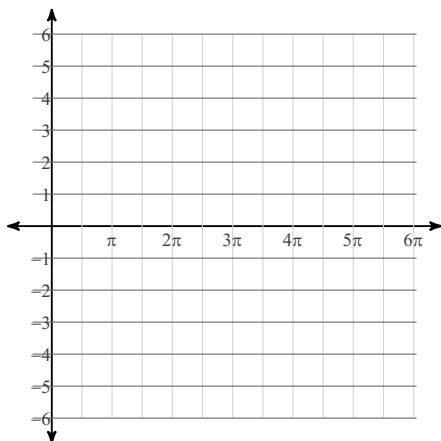


Unit 7 Review

(7-1a, 7-1b, 7-1c) Find the amplitude, the period in radians, the phase shift in radians, and the vertical shift. Then sketch the graph using radians.

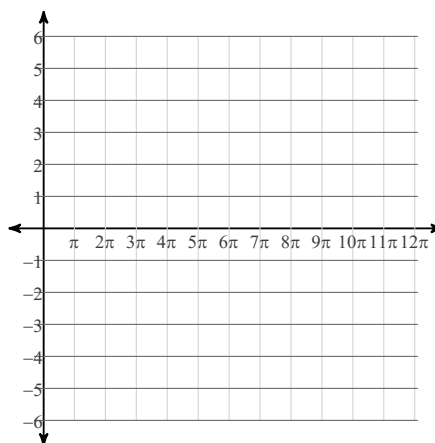
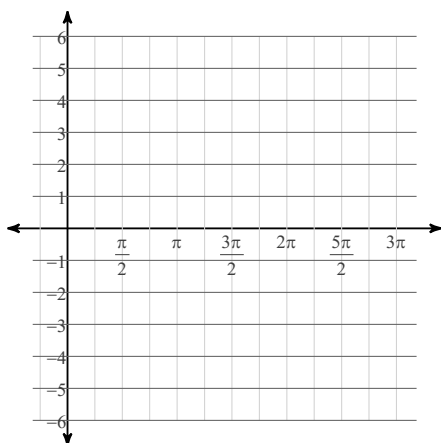
1) $y = 3\cos \frac{\theta}{2}$

2) $y = \frac{1}{2} \cdot \sin 4\theta$

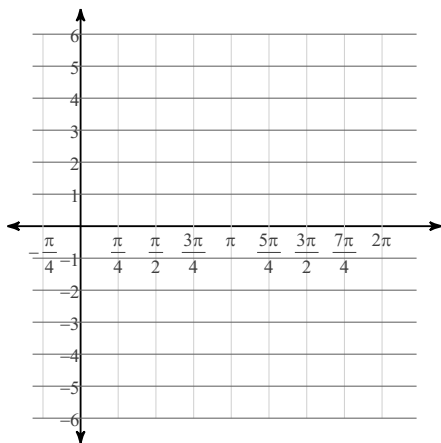


3) $y = 3\cos \left(\theta + \frac{\pi}{2} \right)$

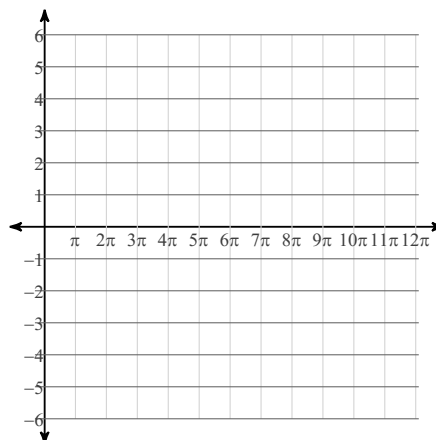
4) $y = \sin \frac{\theta}{4} + 1$



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

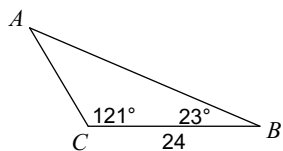


6) $y = 4\sin \frac{\theta}{4} + 2$

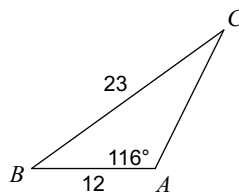


(7-2a, 7-3a) Solve each triangle. Round your answers to the nearest tenth.

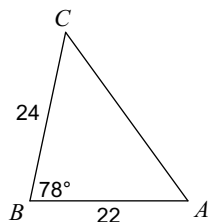
7)



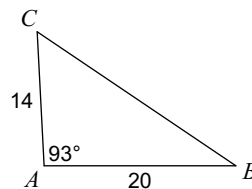
8)



9)

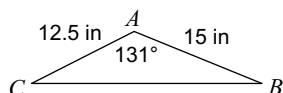


10)



(7-2b) Find the area of each triangle to the nearest tenth.

11)



12)

