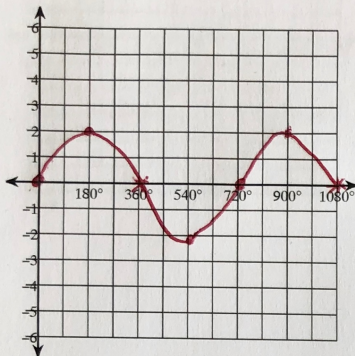


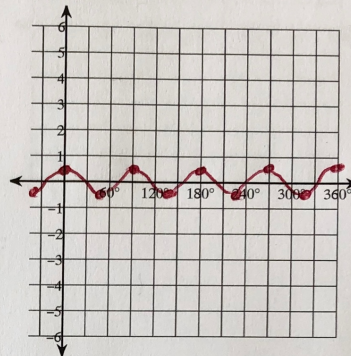
Unit 2 Review

Find the amplitude and the period. Then sketch the graph.

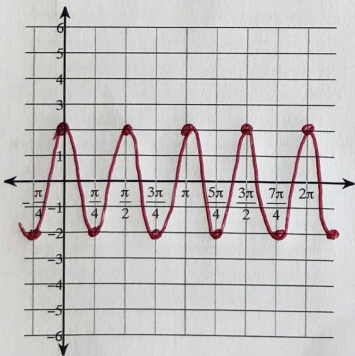
1) $y = 2\sin \frac{\theta}{2}$ AMP = 2
PER = 720°



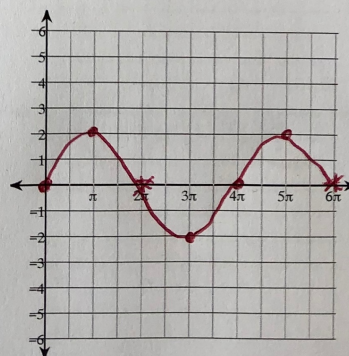
2) $y = \frac{1}{2} \cdot \cos 4\theta$ AMP = 1/2
PER = 90°



3) $y = 2\cos 4\theta$ AMP = 2
PER = $\pi/2$

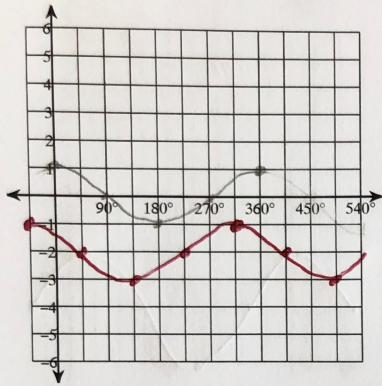


4) $y = 2\sin \frac{\theta}{2}$ AMP = 2
PER = 4π

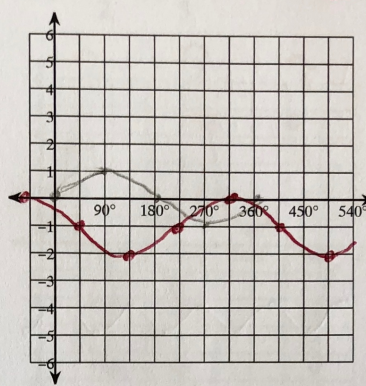


Find the phase shift and the vertical shift. Then sketch the graph.

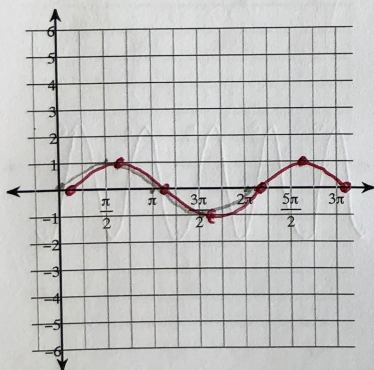
5) $y = \cos(\theta + 45) - 2$ LEFT 45° (1)
DOWN 2



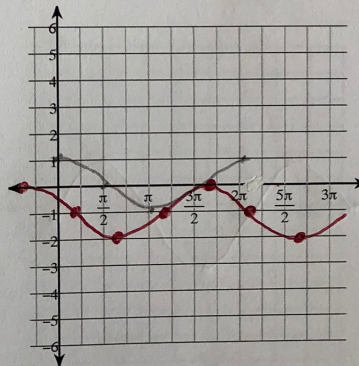
6) $y = \sin(\theta + 120) - 1$ LEFT 120° (3)
DOWN 1



7) $y = \sin\left(\theta - \frac{\pi}{6}\right)$ RIGHT $\frac{\pi}{6}$ (0.6)

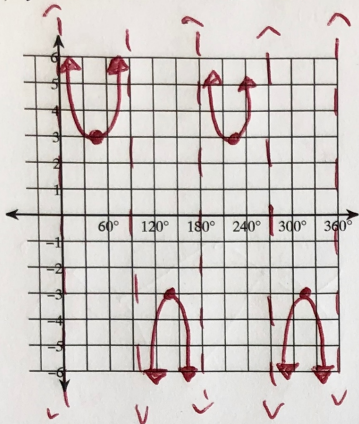


8) $y = \cos\left(\theta + \frac{\pi}{3}\right) - 1$ LEFT $\frac{\pi}{3}$ (1.3)
DOWN 1

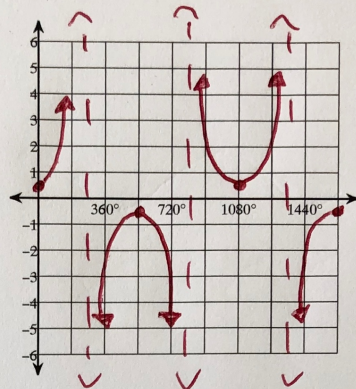


Find the period. Then sketch the graph.

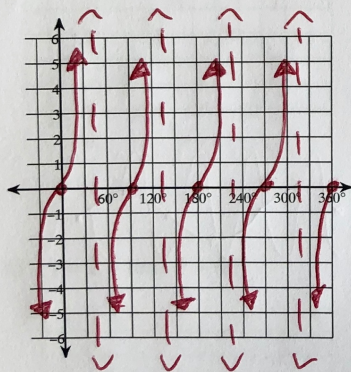
9) $y = 3\csc 2\theta$ PERIOD = 180°



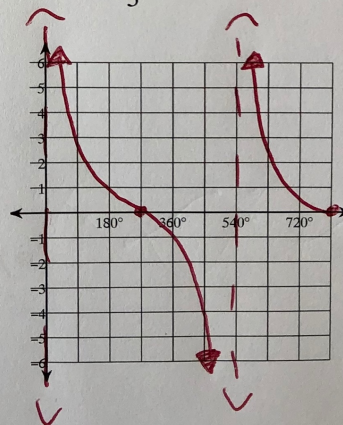
10) $y = \frac{1}{2} \cdot \sec \frac{\theta}{3}$ PERIOD = 1080°



11) $y = 3\tan 2\theta$ PERIOD = 90°



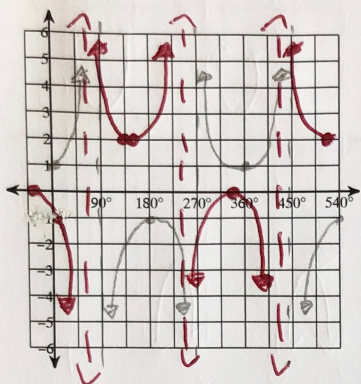
12) $y = \cot \frac{\theta}{3}$ PERIOD = 540°



Find the phase shift and the vertical shift. Then sketch the graph.

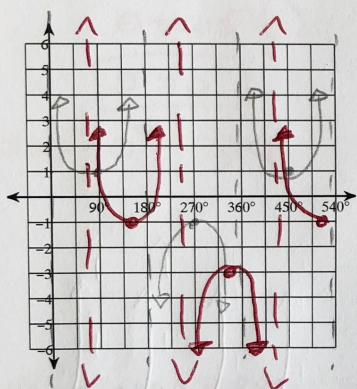
13) $y = \sec(\theta - 150) + 1$

RIGHT 150° (3.3)
UP 1



14) $y = \csc(\theta - 60) - 2$

RIGHT 60° (1.3)
DOWN 2



15) $y = 2 + \tan(\theta - 60)$

RIGHT 60° (2)
UP 2

