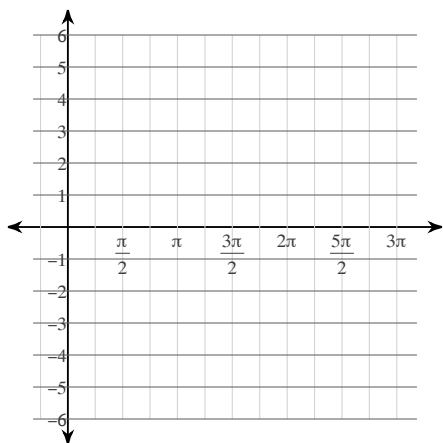


Assignment

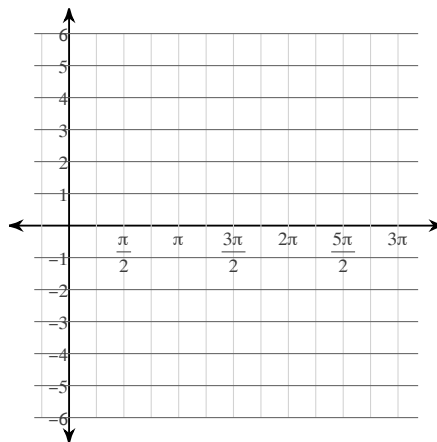
Date _____ Period _____

Graph each function using radians.

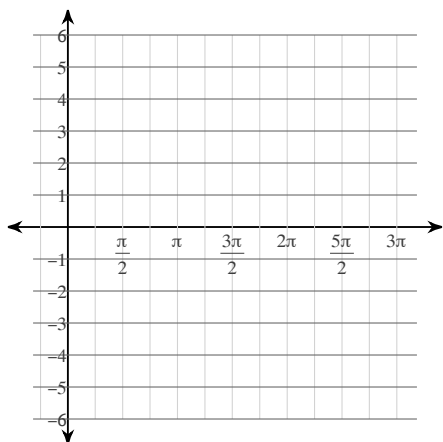
1) $y = 3\sin \theta$



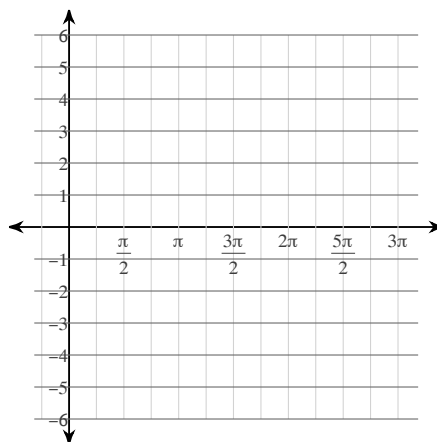
2) $y = \frac{1}{2} \cdot \cos \theta$



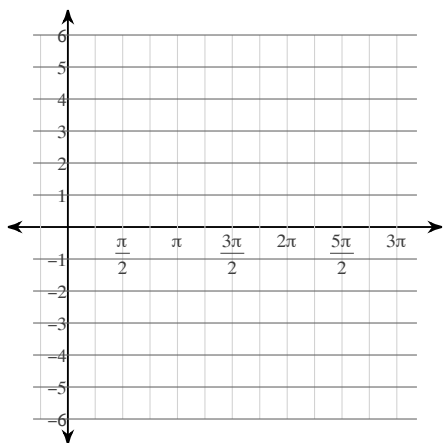
3) $y = 2\sin \theta$



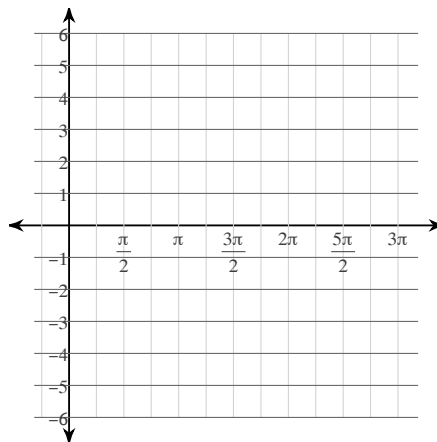
4) $y = 3\cos \theta$



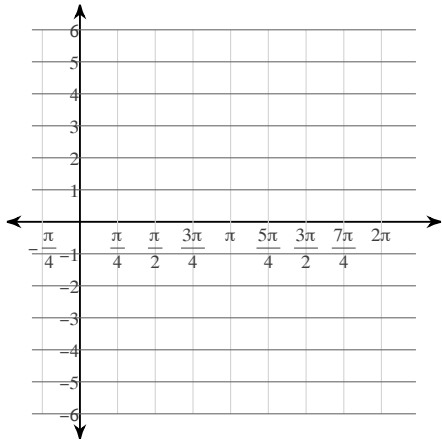
5) $y = \frac{1}{2} \cdot \sin \theta$



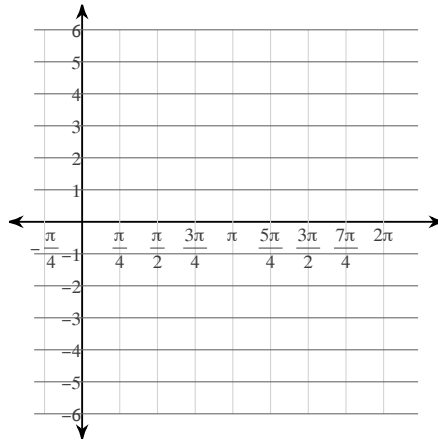
6) $y = 3\sin \theta$



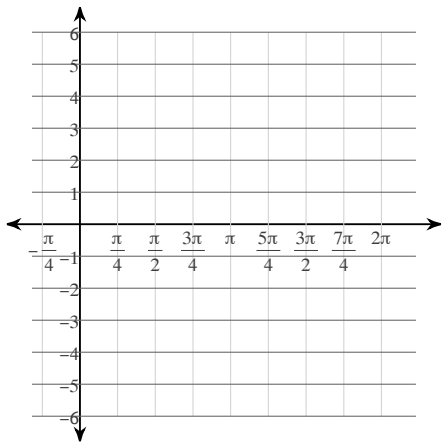
$$7) y = \frac{1}{2} \cdot \cos 4\theta$$



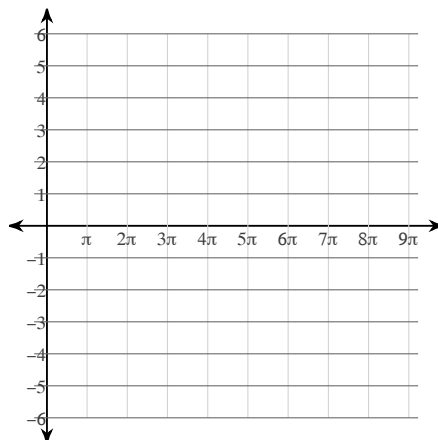
$$8) y = \frac{1}{2} \cdot \cos 2\theta$$



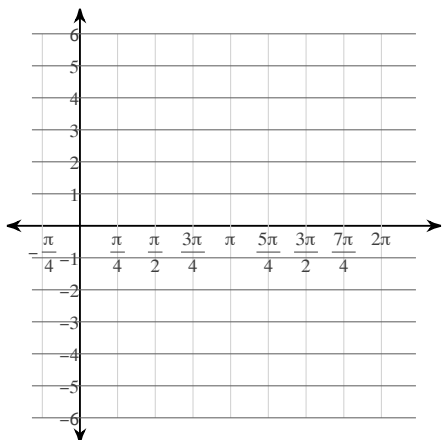
$$9) y = 2\cos 2\theta$$



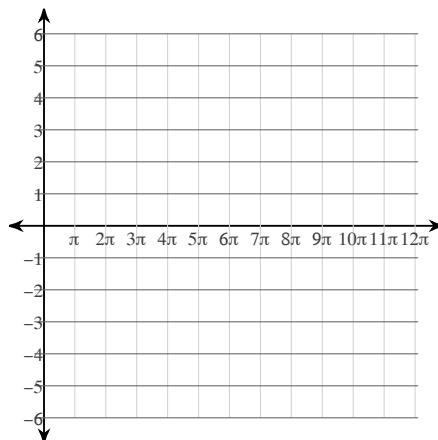
$$10) y = 3\cos \frac{\theta}{3}$$



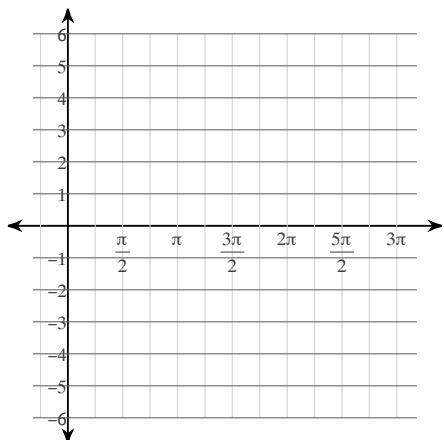
$$11) y = \frac{1}{2} \cdot \cos \left(3\theta + \frac{\pi}{6} \right)$$



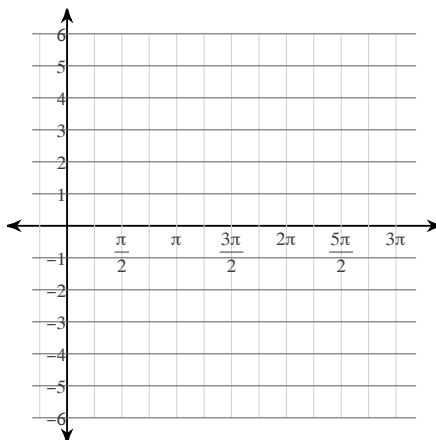
$$12) y = 4\cos \left(\frac{\theta}{4} - \frac{2\pi}{3} \right)$$



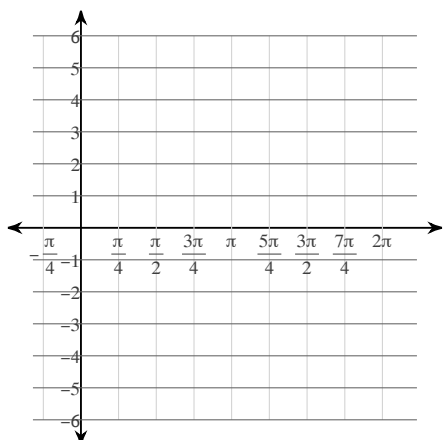
$$13) y = 2\cos\left(\theta + \frac{2\pi}{3}\right)$$



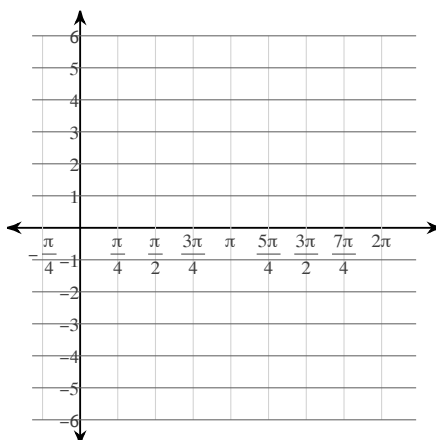
$$14) y = \frac{1}{2} \cdot \cos\left(\theta + \frac{7\pi}{6}\right)$$



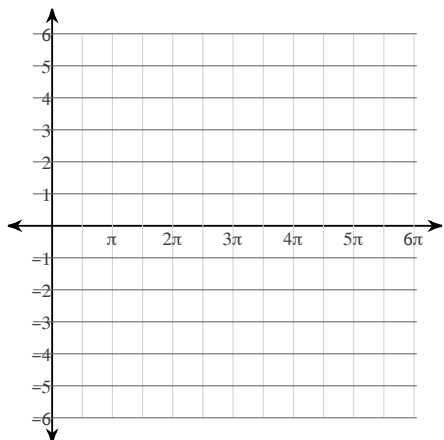
$$15) y = 3\cos\left(4\theta - \frac{2\pi}{3}\right)$$



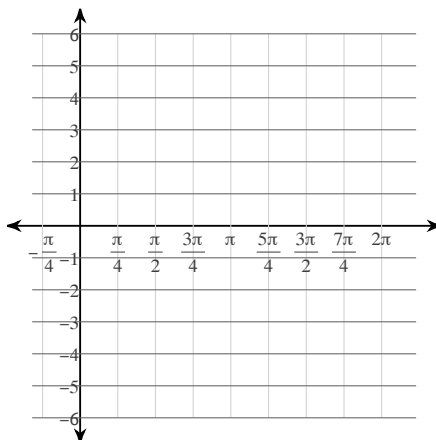
$$16) y = 4\cos\left(2\theta - \frac{2\pi}{3}\right) - 1$$



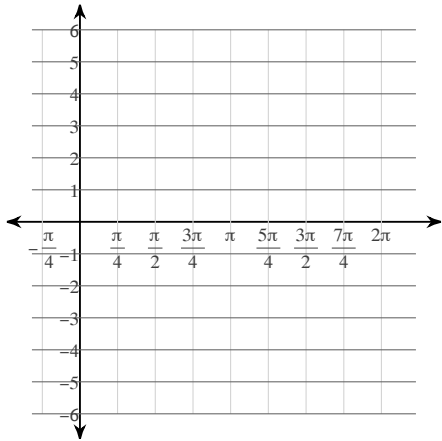
$$17) y = 3\cos\left(\frac{\theta}{2} + \frac{\pi}{6}\right) - 2$$



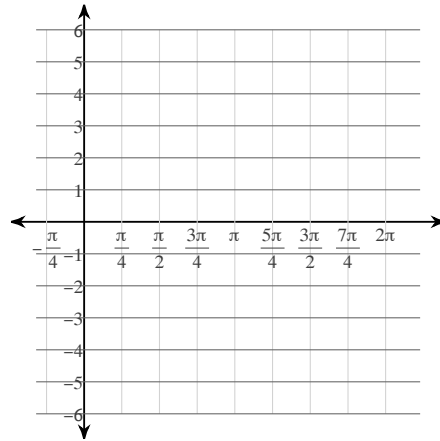
$$18) y = 3\sin\left(2\theta + \frac{\pi}{6}\right) - 2$$



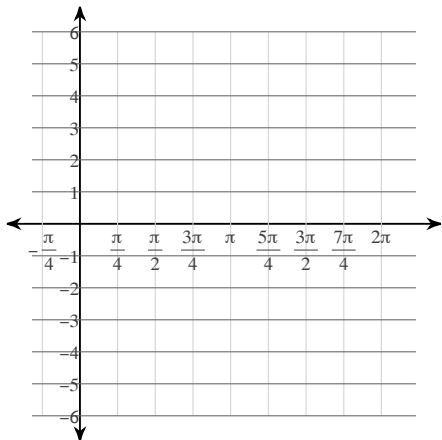
$$19) y = 3\cos\left(3\theta + \frac{\pi}{4}\right) + 1$$



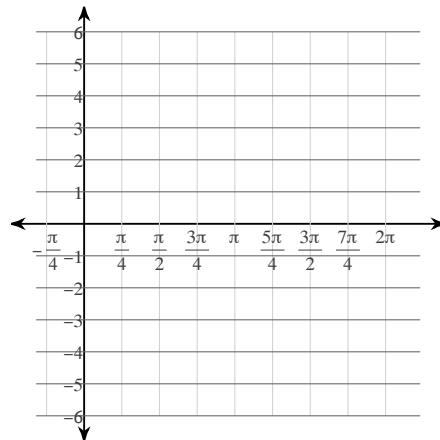
$$20) y = -2 + 2\sin\left(3\theta - \frac{\pi}{3}\right)$$



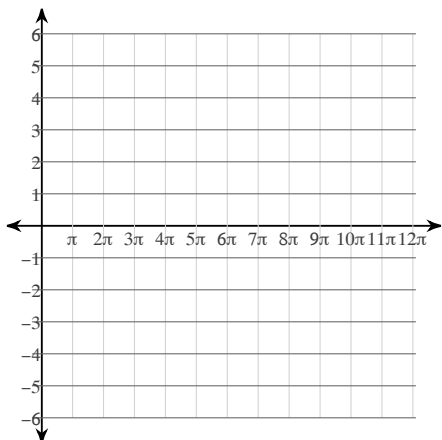
$$21) y = \frac{1}{2} \cdot \sin\left(3\theta + \frac{2\pi}{3}\right) + 1$$



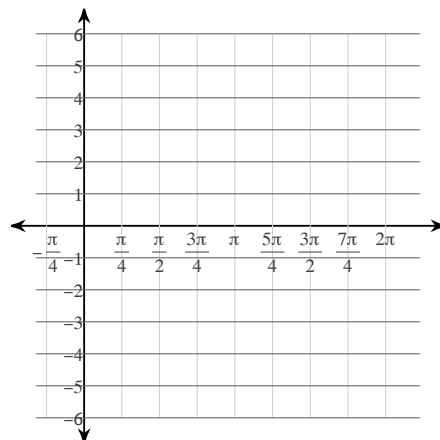
$$22) y = \sin\left(3\theta + \frac{7\pi}{4}\right) + 2$$



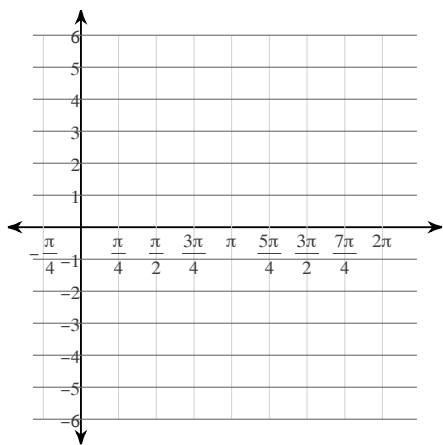
$$23) y = \frac{1}{2} \cdot \sin\left(\frac{\theta}{4} - \frac{\pi}{2}\right) + 2$$



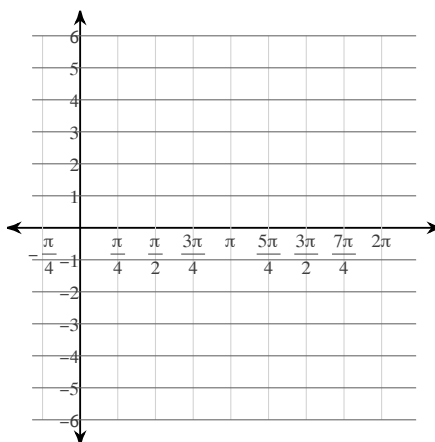
$$24) y = 4\sin\left(2\theta + \frac{\pi}{3}\right) + 2$$



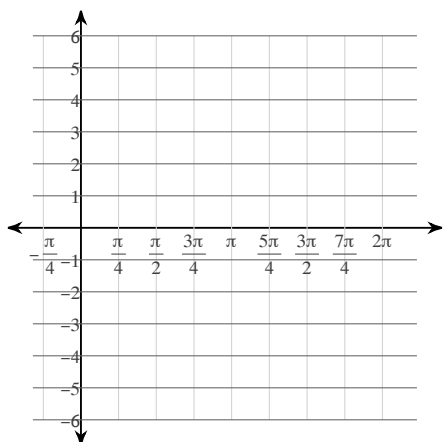
25) $y = 4\sin 3\theta - 1$



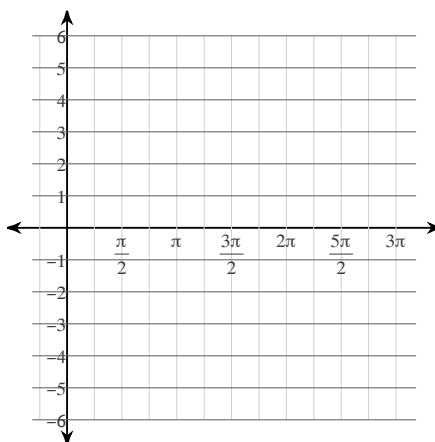
26) $y = \frac{1}{2} \cdot \sin\left(3\theta + \frac{\pi}{4}\right) - 1$



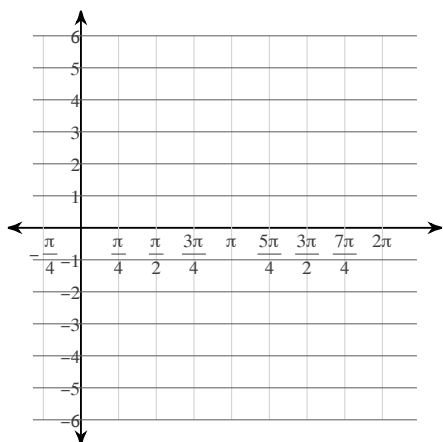
27) $y = \frac{1}{2} \cdot \sin\left(3\theta + \frac{4\pi}{3}\right) - 1$



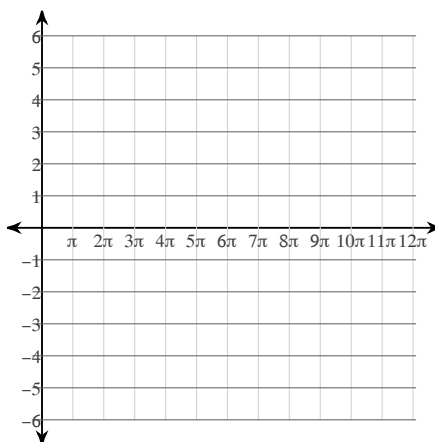
28) $y = 4\cos\left(\theta - \frac{\pi}{6}\right) - 2$



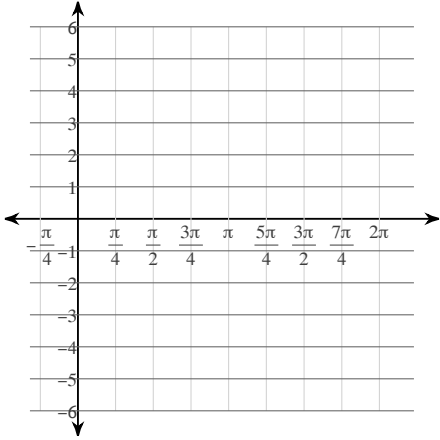
29) $y = \frac{1}{2} \cdot \sin\left(2\theta - \frac{\pi}{4}\right) - 2$



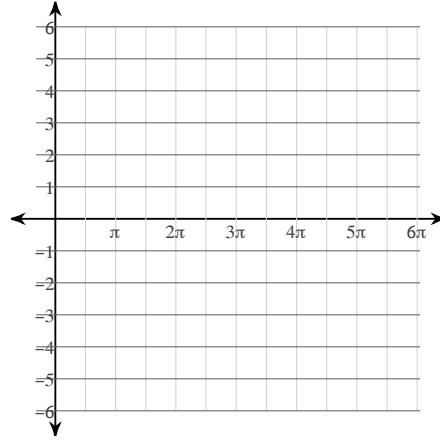
30) $y = 3\cos\left(\frac{\theta}{4} - \frac{3\pi}{4}\right) - 1$



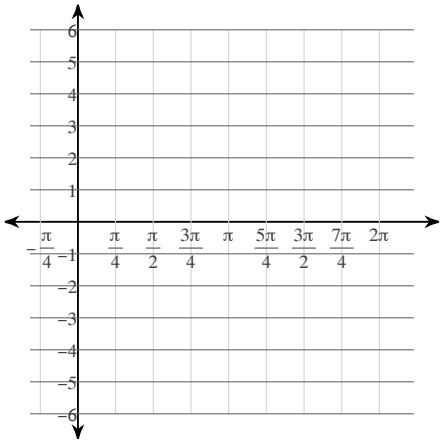
$$31) y = \frac{1}{2} \cdot \cos\left(2\theta - \frac{11\pi}{6}\right) + 1$$



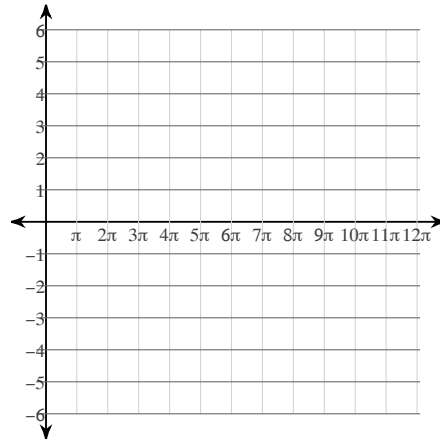
$$32) y = 1 + 2\sin\left(\frac{\theta}{2} - \frac{5\pi}{6}\right)$$



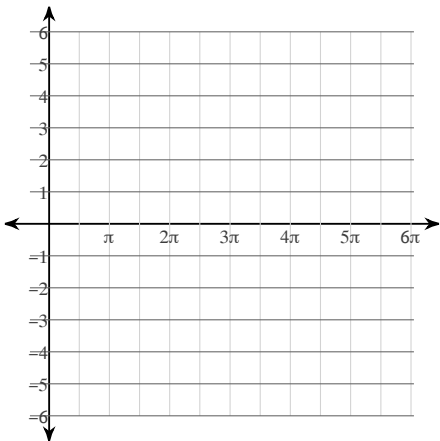
$$33) y = \frac{1}{2} \cdot \cos\left(3\theta + \frac{5\pi}{6}\right) + 1$$



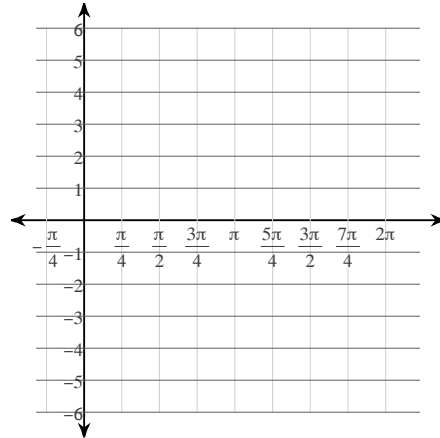
$$34) y = 2\sin\left(\frac{\theta}{4} - \frac{2\pi}{3}\right) + 2$$



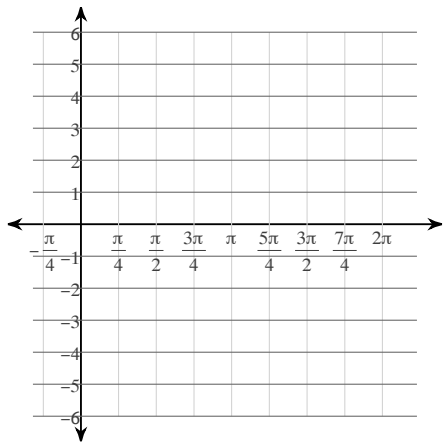
$$35) y = 1 + 4\cos\left(\frac{\theta}{2} - \frac{\pi}{4}\right)$$



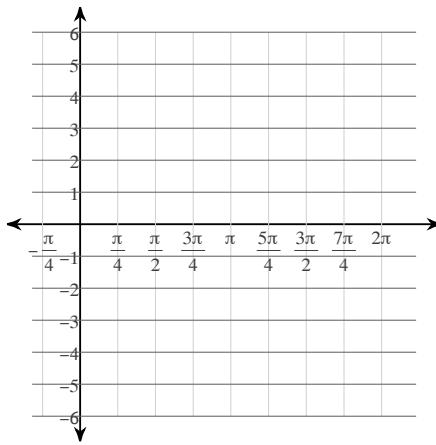
$$36) y = 2\tan \theta$$



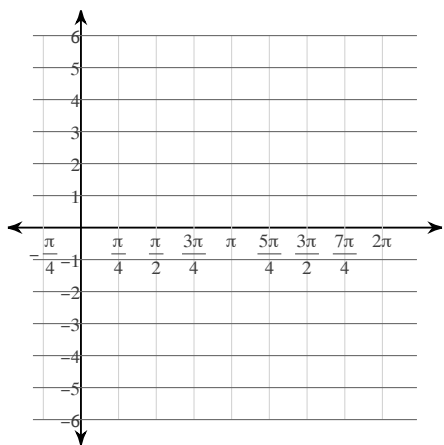
37) $y = 3\tan \theta$



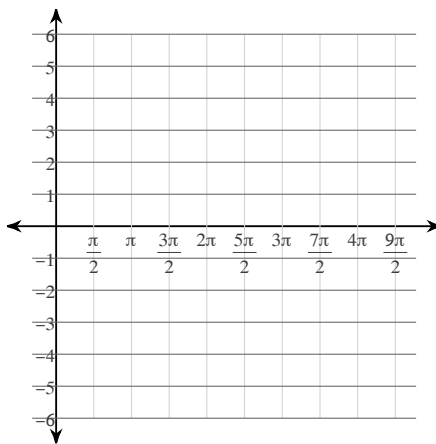
38) $y = 4\tan \theta$



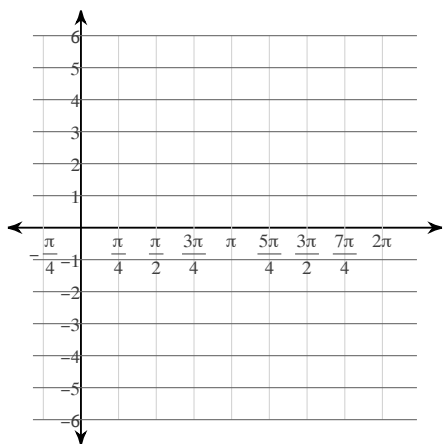
39) $y = 3\tan 2\theta$



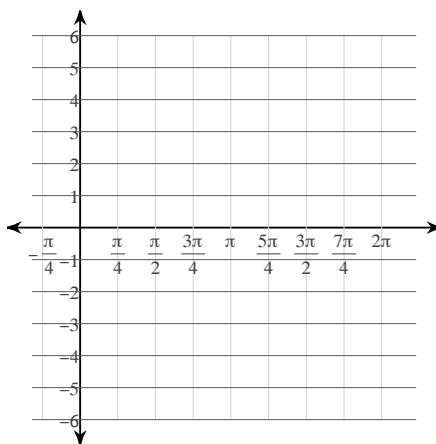
40) $y = 4\tan \frac{\theta}{3}$



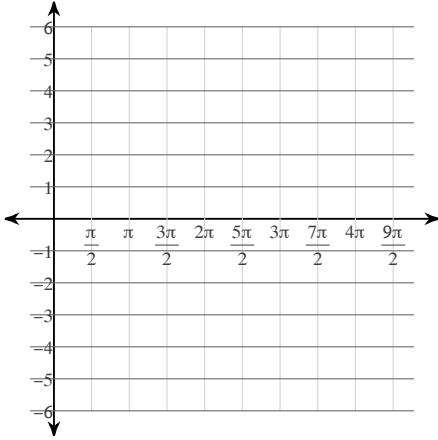
41) $y = \tan 2\theta$



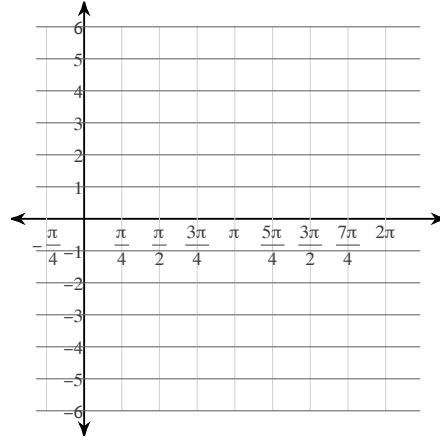
42) $y = 3\tan \theta$



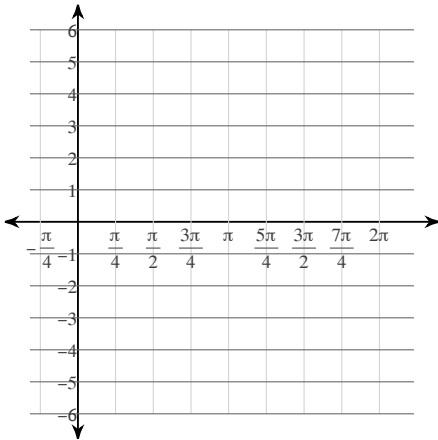
$$43) y = \tan\left(\frac{\theta}{3} + \frac{3\pi}{4}\right)$$



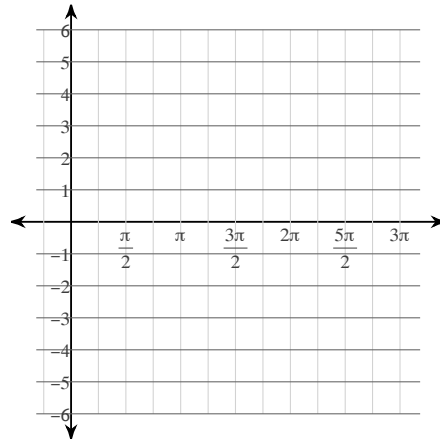
$$44) y = \tan\left(2\theta - \frac{\pi}{4}\right)$$



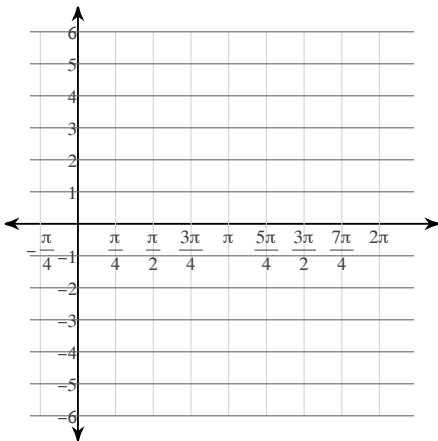
$$45) y = -1 + \frac{1}{2} \cdot \tan\left(2\theta - \frac{2\pi}{3}\right)$$



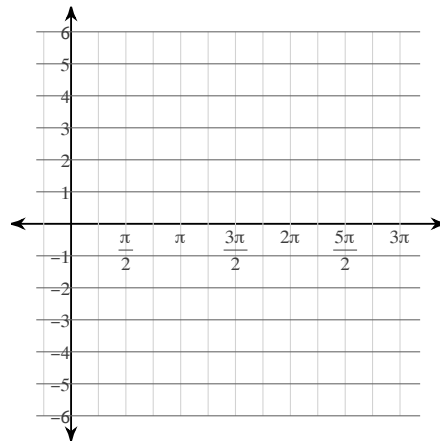
$$46) y = \frac{1}{2} \cdot \tan\left(\frac{\theta}{2} + \frac{\pi}{3}\right) + 1$$



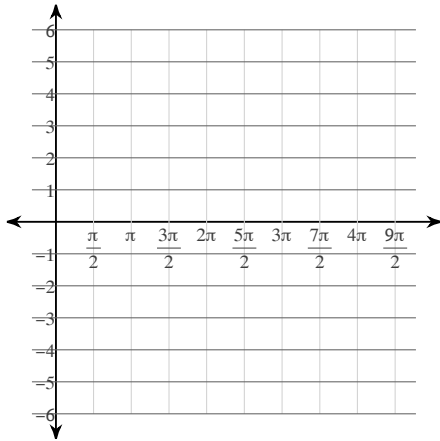
$$47) y = -2 + \frac{1}{2} \cdot \tan\left(2\theta + \frac{4\pi}{3}\right)$$



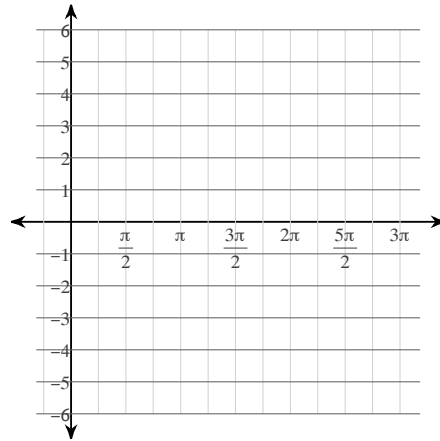
$$48) y = 4\tan\left(\frac{\theta}{2} + \frac{\pi}{2}\right) + 1$$



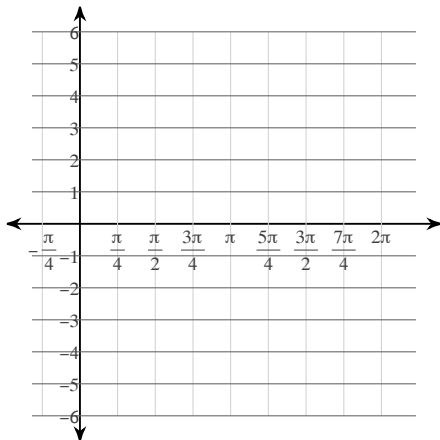
$$49) y = \frac{1}{2} \cdot \tan\left(\frac{\theta}{3} + \frac{3\pi}{4}\right) + 2$$



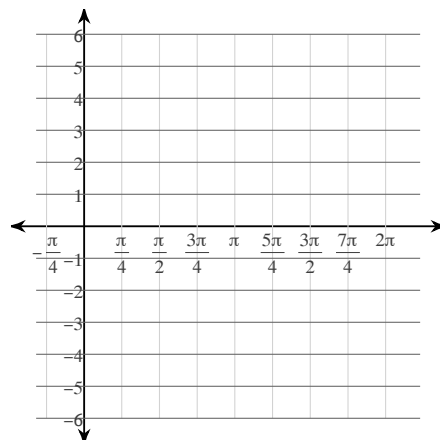
$$50) y = 2 + 3\tan\left(\frac{\theta}{2} - \frac{\pi}{2}\right)$$



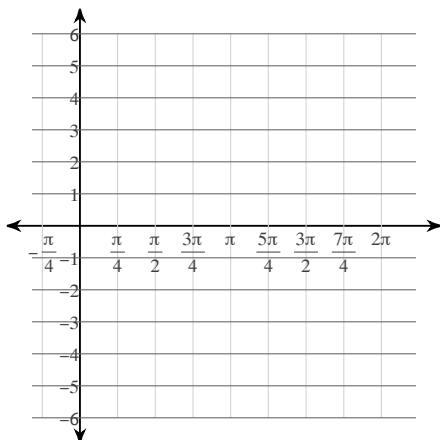
$$51) y = \frac{1}{2} \cdot \tan\left(2\theta - \frac{2\pi}{3}\right) - 2$$



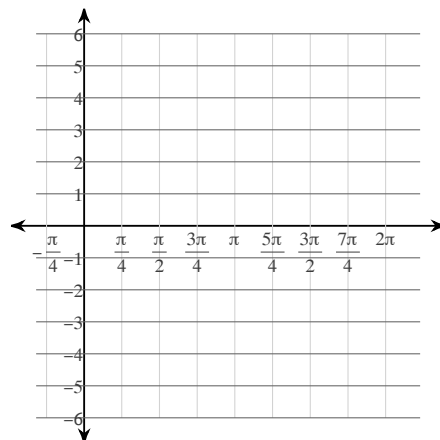
$$52) y = \tan 2\theta$$



$$53) y = 2\tan\left(2\theta + \frac{\pi}{2}\right) + 1$$



$$54) y = \frac{1}{2} \cdot \tan\left(2\theta + \frac{\pi}{6}\right) + 2$$

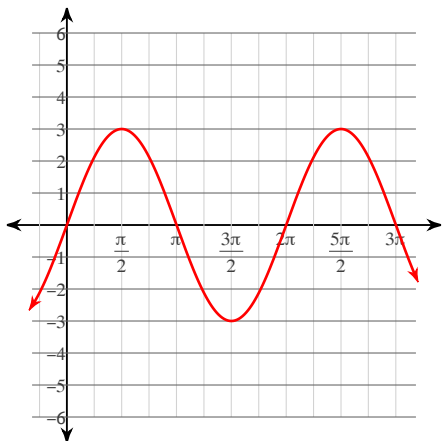


Assignment

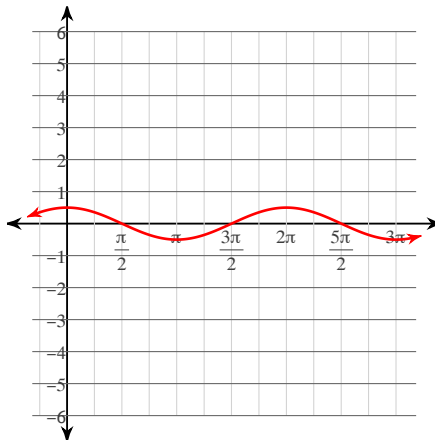
Date _____ Period _____

Graph each function using radians.

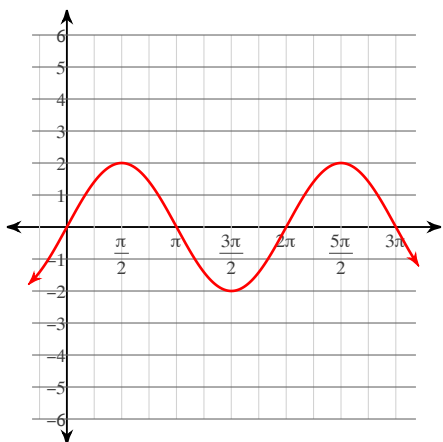
1) $y = 3\sin \theta$



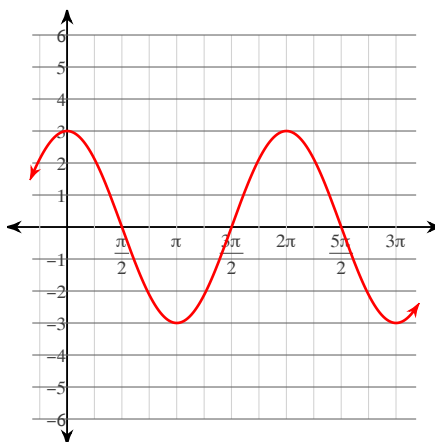
2) $y = \frac{1}{2} \cdot \cos \theta$



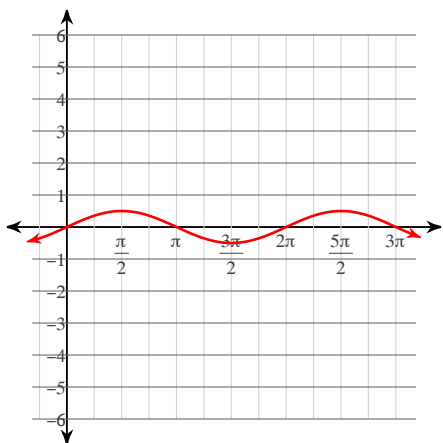
3) $y = 2\sin \theta$



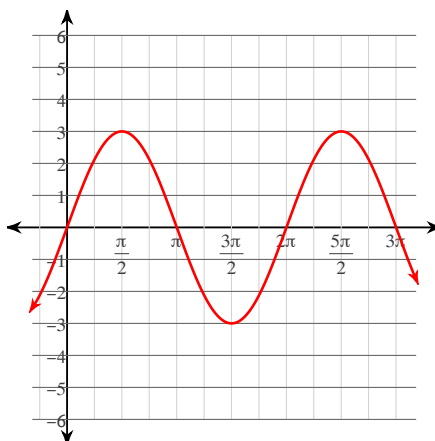
4) $y = 3\cos \theta$



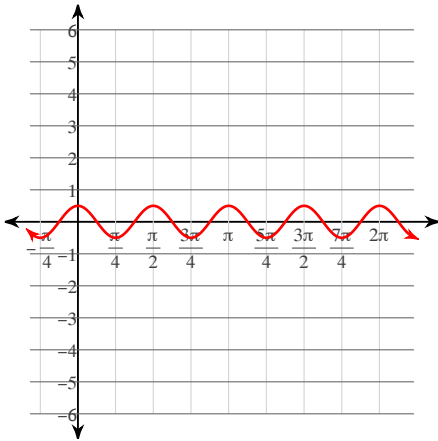
5) $y = \frac{1}{2} \cdot \sin \theta$



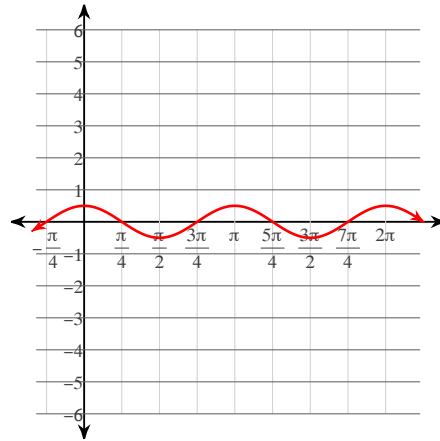
6) $y = 3\sin \theta$



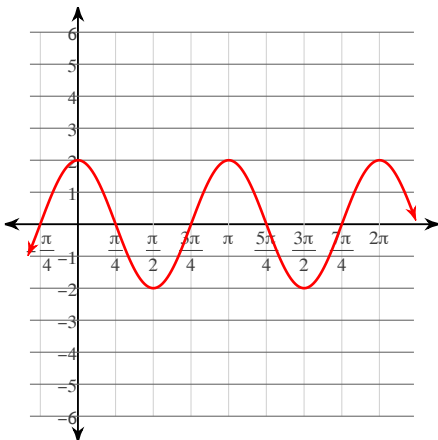
$$7) y = \frac{1}{2} \cdot \cos 4\theta$$



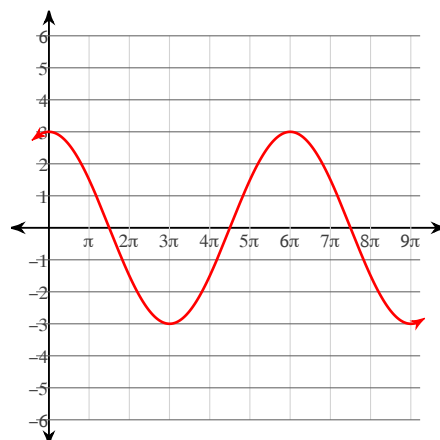
$$8) y = \frac{1}{2} \cdot \cos 2\theta$$



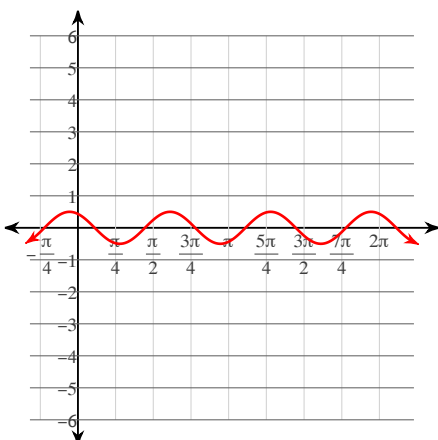
$$9) y = 2\cos 2\theta$$



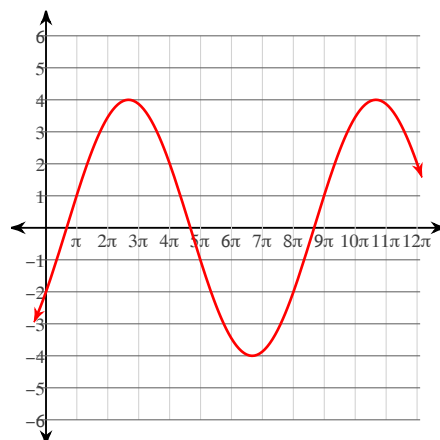
$$10) y = 3\cos \frac{\theta}{3}$$



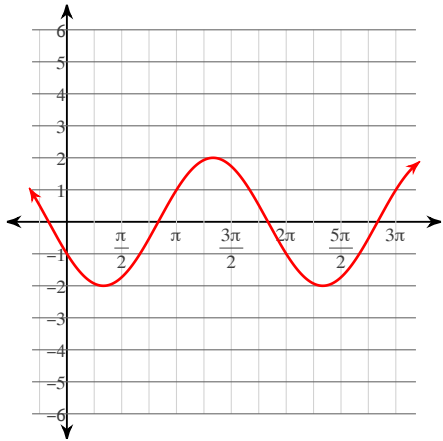
$$11) y = \frac{1}{2} \cdot \cos \left(3\theta + \frac{\pi}{6} \right)$$



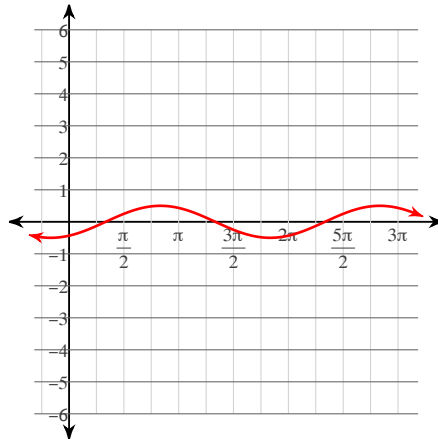
$$12) y = 4\cos \left(\frac{\theta}{4} - \frac{2\pi}{3} \right)$$



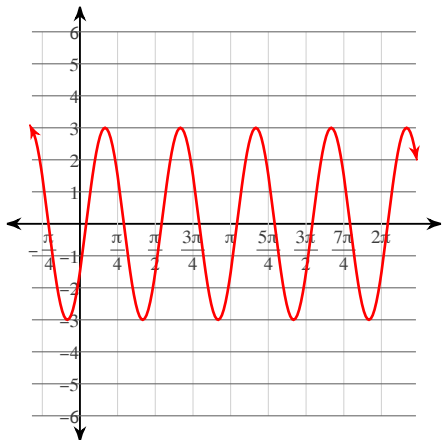
$$13) y = 2\cos\left(\theta + \frac{2\pi}{3}\right)$$



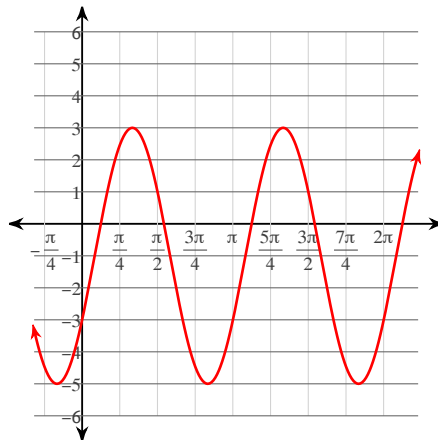
$$14) y = \frac{1}{2} \cdot \cos\left(\theta + \frac{7\pi}{6}\right)$$



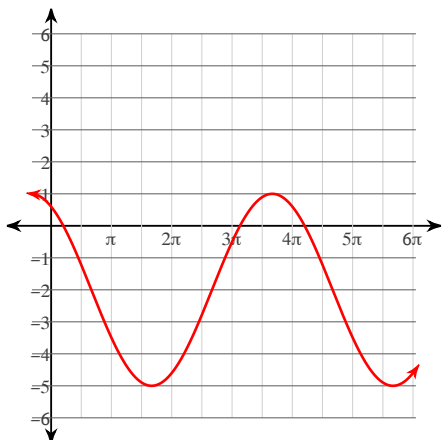
$$15) y = 3\cos\left(4\theta - \frac{2\pi}{3}\right)$$



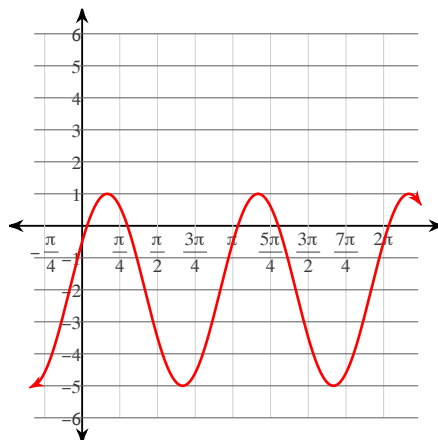
$$16) y = 4\cos\left(2\theta - \frac{2\pi}{3}\right) - 1$$



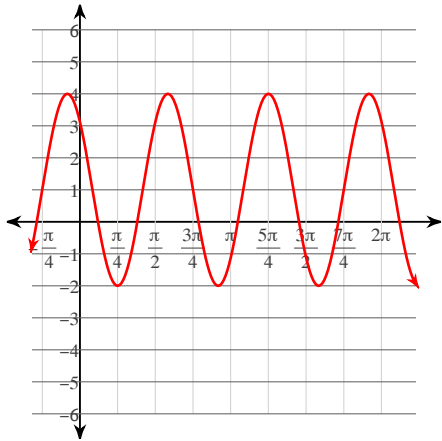
$$17) y = 3\cos\left(\frac{\theta}{2} + \frac{\pi}{6}\right) - 2$$



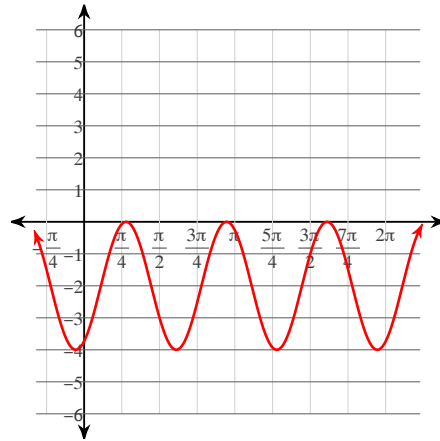
$$18) y = 3\sin\left(2\theta + \frac{\pi}{6}\right) - 2$$



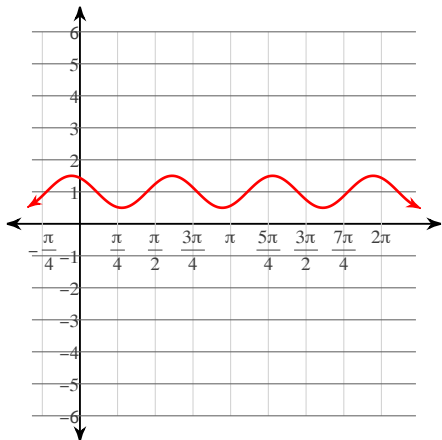
$$19) y = 3\cos\left(3\theta + \frac{\pi}{4}\right) + 1$$



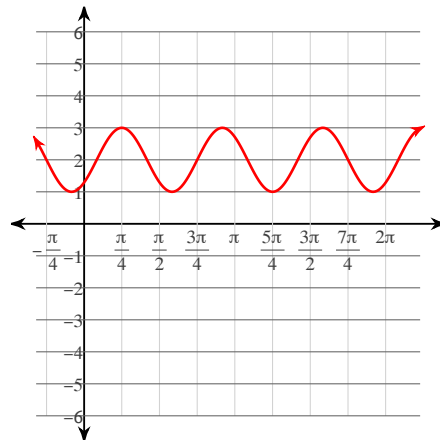
$$20) y = -2 + 2\sin\left(3\theta - \frac{\pi}{3}\right)$$



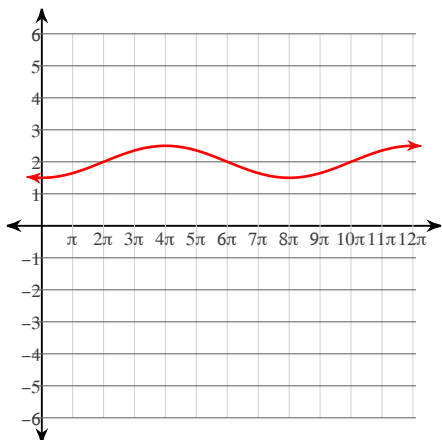
$$21) y = \frac{1}{2} \cdot \sin\left(3\theta + \frac{2\pi}{3}\right) + 1$$



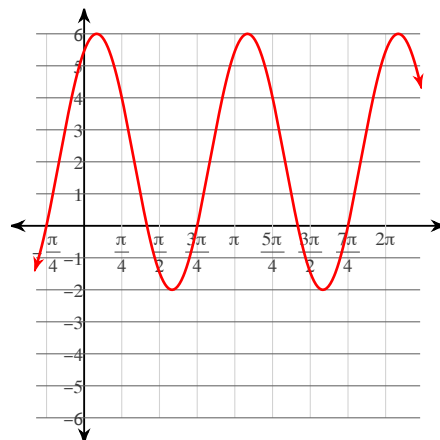
$$22) y = \sin\left(3\theta + \frac{7\pi}{4}\right) + 2$$



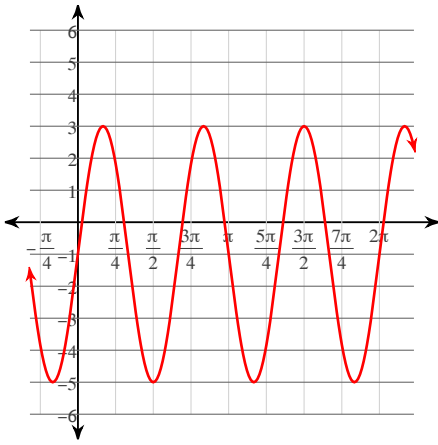
$$23) y = \frac{1}{2} \cdot \sin\left(\frac{\theta}{4} - \frac{\pi}{2}\right) + 2$$



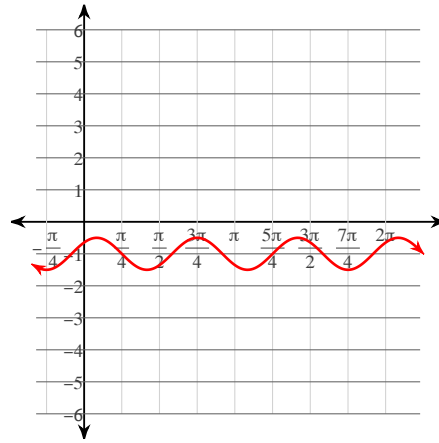
$$24) y = 4\sin\left(2\theta + \frac{\pi}{3}\right) + 2$$



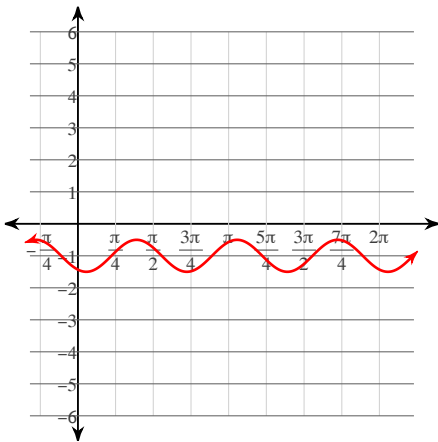
25) $y = 4\sin 3\theta - 1$



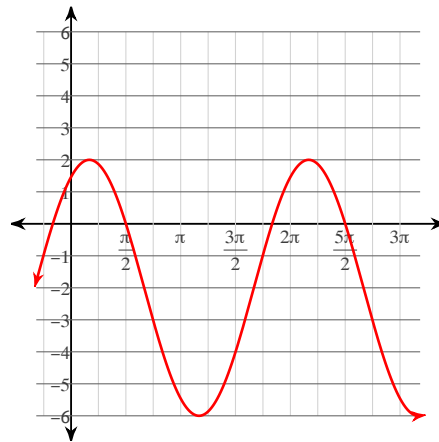
26) $y = \frac{1}{2} \cdot \sin\left(3\theta + \frac{\pi}{4}\right) - 1$



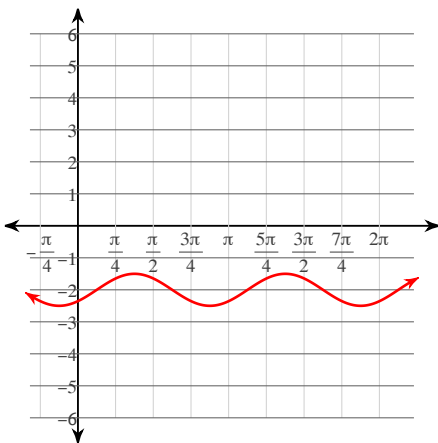
27) $y = \frac{1}{2} \cdot \sin\left(3\theta + \frac{4\pi}{3}\right) - 1$



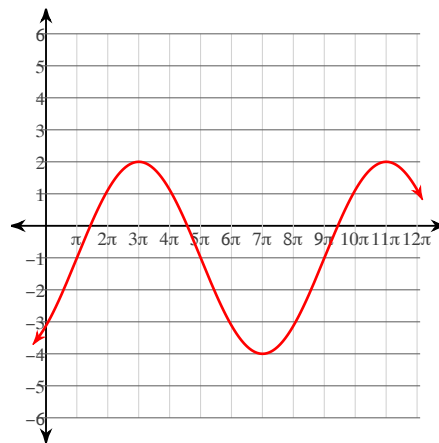
28) $y = 4\cos\left(\theta - \frac{\pi}{6}\right) - 2$



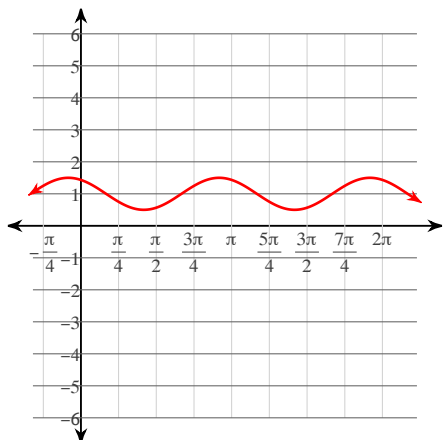
29) $y = \frac{1}{2} \cdot \sin\left(2\theta - \frac{\pi}{4}\right) - 2$



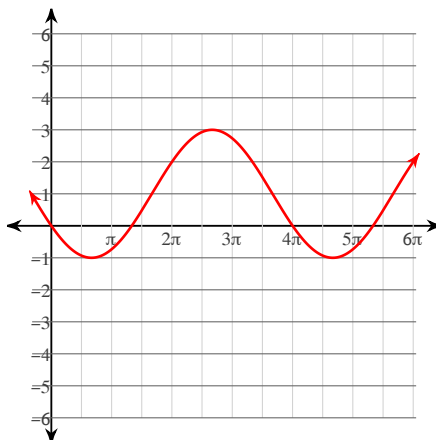
30) $y = 3\cos\left(\frac{\theta}{4} - \frac{3\pi}{4}\right) - 1$



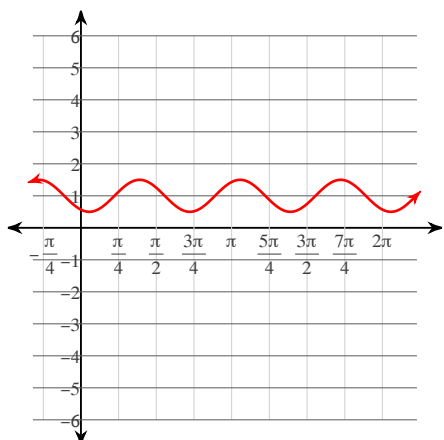
$$31) y = \frac{1}{2} \cdot \cos\left(2\theta - \frac{11\pi}{6}\right) + 1$$



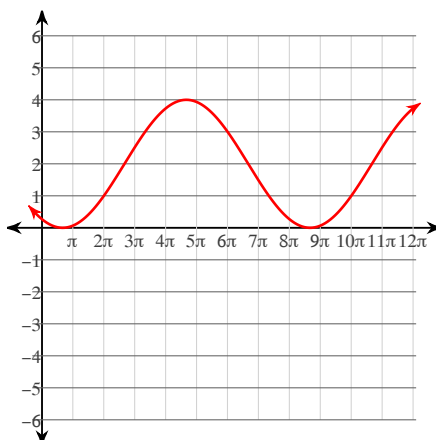
$$32) y = 1 + 2\sin\left(\frac{\theta}{2} - \frac{5\pi}{6}\right)$$



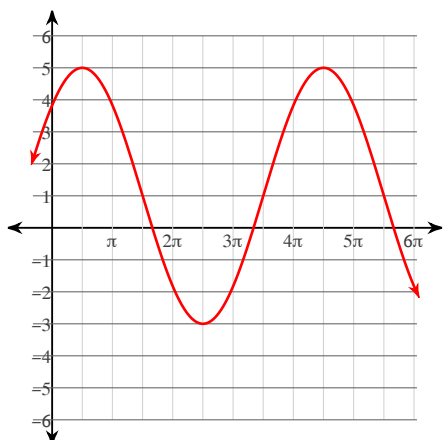
$$33) y = \frac{1}{2} \cdot \cos\left(3\theta + \frac{5\pi}{6}\right) + 1$$



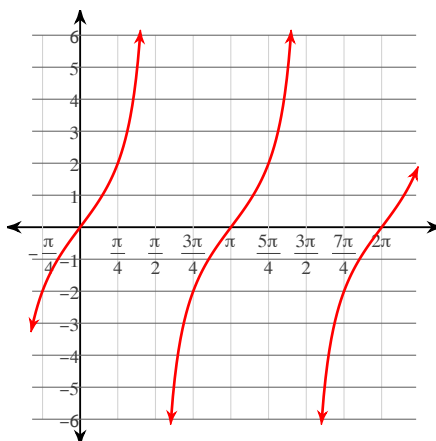
$$34) y = 2\sin\left(\frac{\theta}{4} - \frac{2\pi}{3}\right) + 2$$



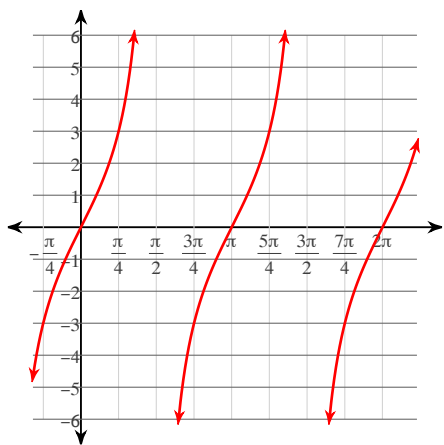
$$35) y = 1 + 4\cos\left(\frac{\theta}{2} - \frac{\pi}{4}\right)$$



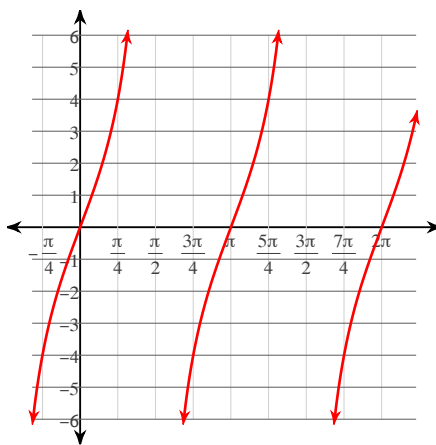
$$36) y = 2\tan \theta$$



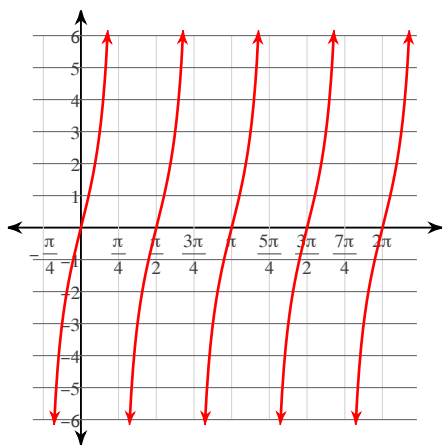
37) $y = 3\tan \theta$



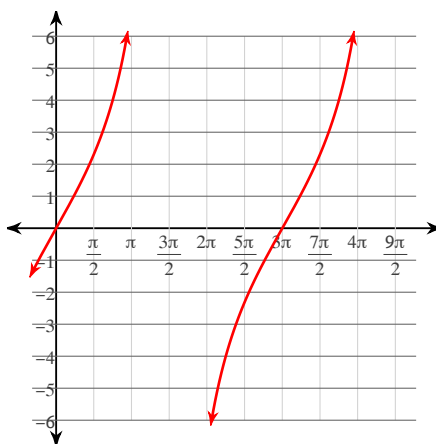
38) $y = 4\tan \theta$



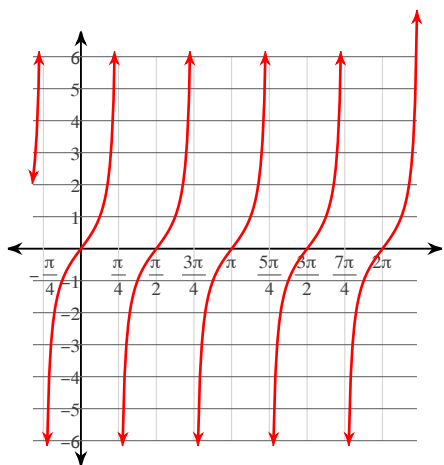
39) $y = 3\tan 2\theta$



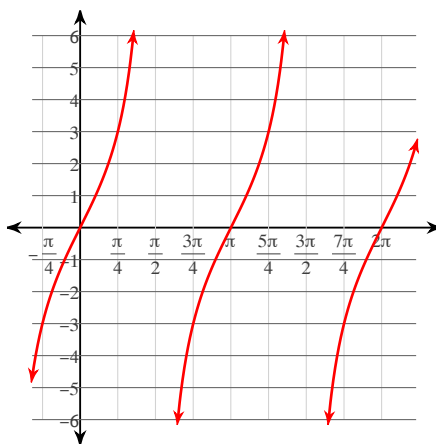
40) $y = 4\tan \frac{\theta}{3}$



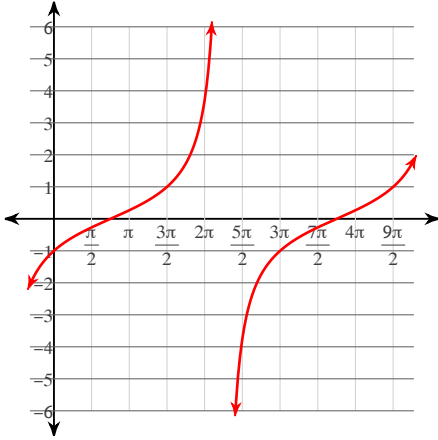
41) $y = \tan 2\theta$



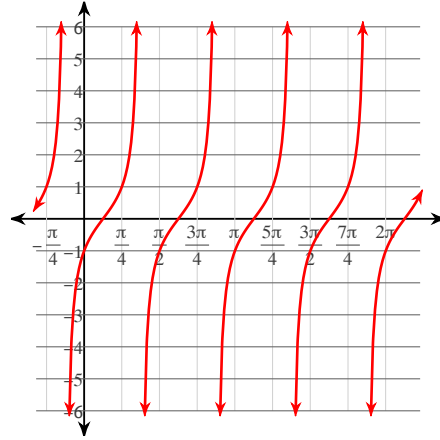
42) $y = 3\tan \theta$



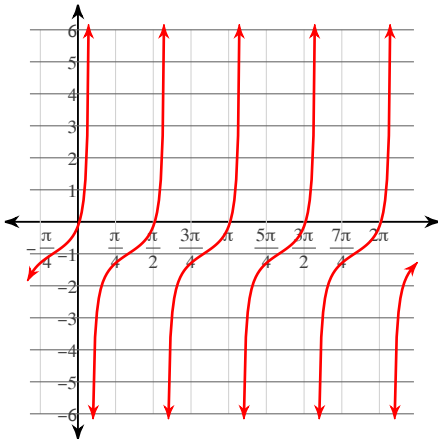
$$43) y = \tan\left(\frac{\theta}{3} + \frac{3\pi}{4}\right)$$



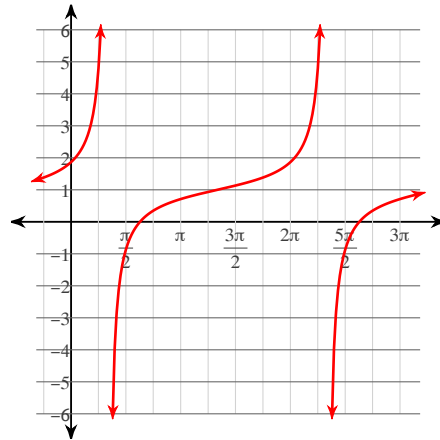
$$44) y = \tan\left(2\theta - \frac{\pi}{4}\right)$$



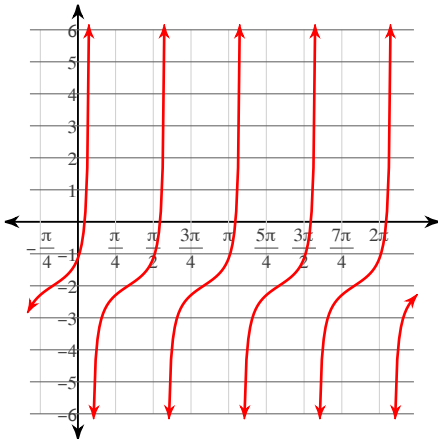
$$45) y = -1 + \frac{1}{2} \cdot \tan\left(2\theta - \frac{2\pi}{3}\right)$$



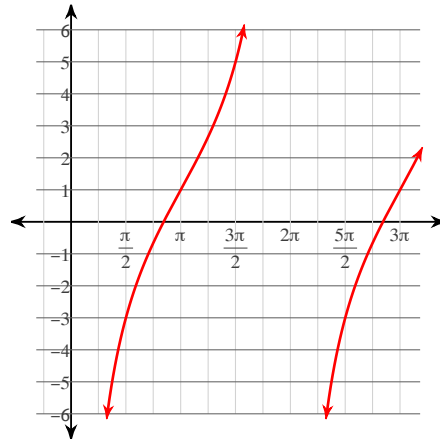
$$46) y = \frac{1}{2} \cdot \tan\left(\frac{\theta}{2} + \frac{\pi}{3}\right) + 1$$



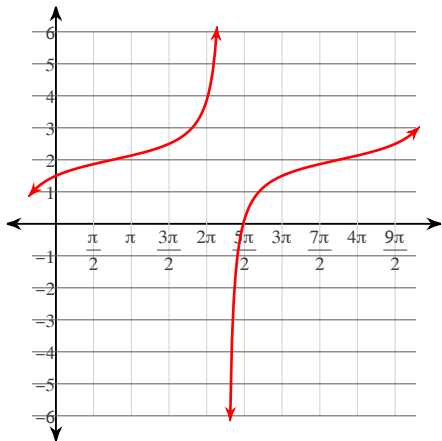
$$47) y = -2 + \frac{1}{2} \cdot \tan\left(2\theta + \frac{4\pi}{3}\right)$$



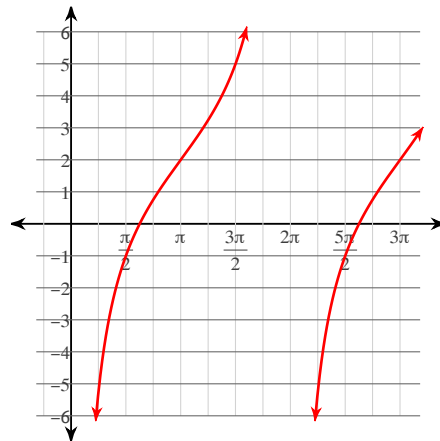
$$48) y = 4 \tan\left(\frac{\theta}{2} + \frac{\pi}{2}\right) + 1$$



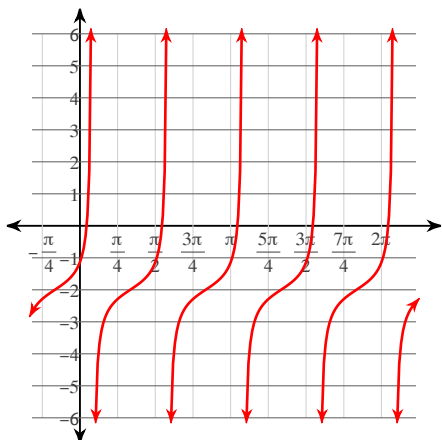
$$49) y = \frac{1}{2} \cdot \tan\left(\frac{\theta}{3} + \frac{3\pi}{4}\right) + 2$$



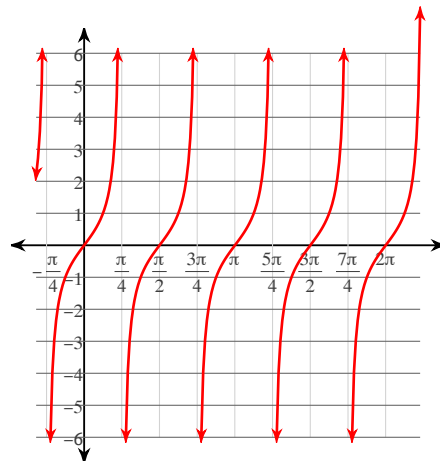
$$50) y = 2 + 3 \tan\left(\frac{\theta}{2} - \frac{\pi}{2}\right)$$



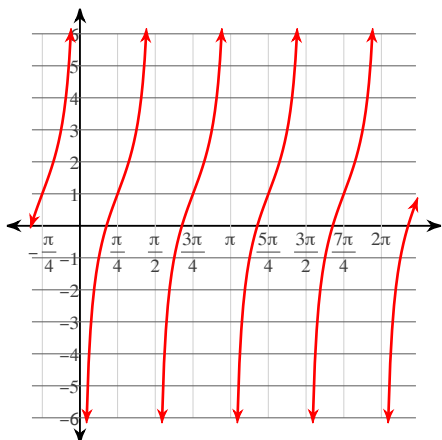
$$51) y = \frac{1}{2} \cdot \tan\left(2\theta - \frac{2\pi}{3}\right) - 2$$



$$52) y = \tan 2\theta$$



$$53) y = 2 \tan\left(2\theta + \frac{\pi}{2}\right) + 1$$



$$54) y = \frac{1}{2} \cdot \tan\left(2\theta + \frac{\pi}{6}\right) + 2$$

