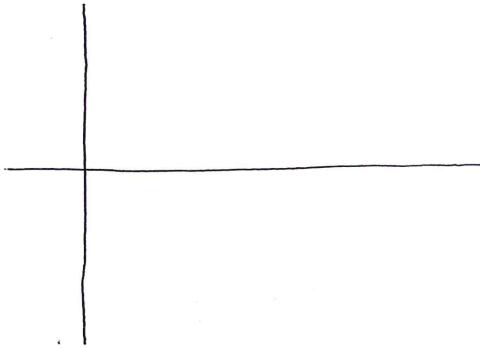


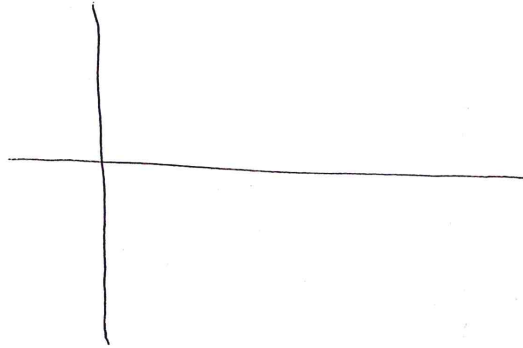
Graphing Translated Trig functions

Name _____

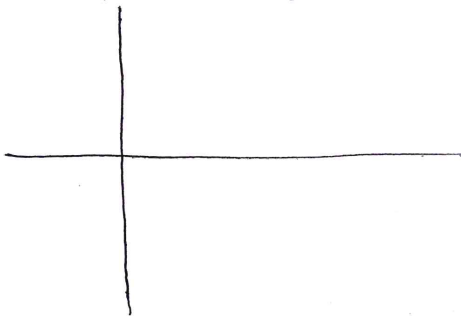
1. $y = \frac{1}{2}\sin x - 1$



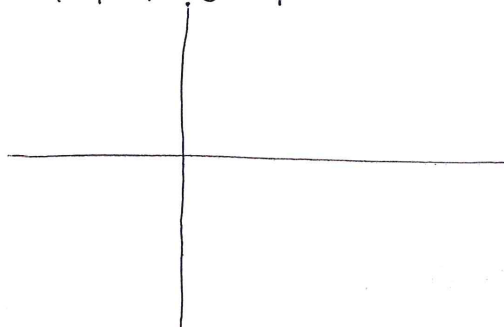
2. $y = 2\cos x + 2$



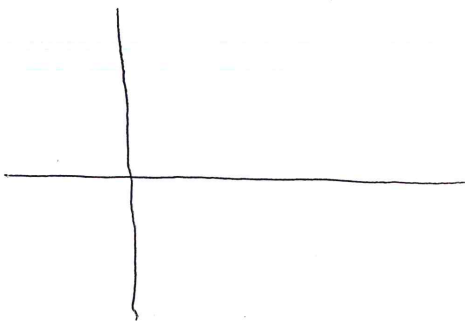
3. $y = -1 + 2\sin \theta$



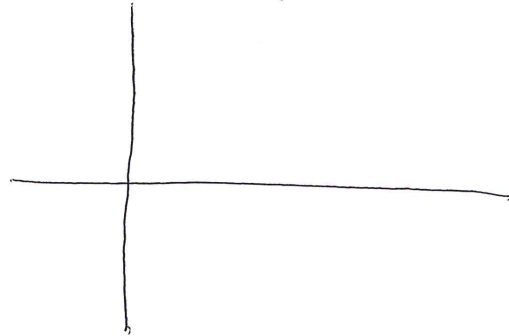
4. $y = \tan \theta - 1$



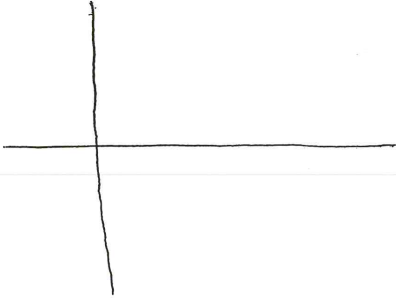
5. $y = 3\sin 4\theta$



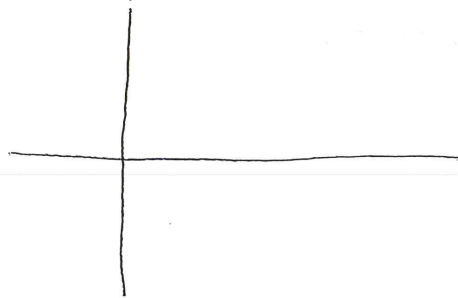
6. $y = 2\cos \theta/4$



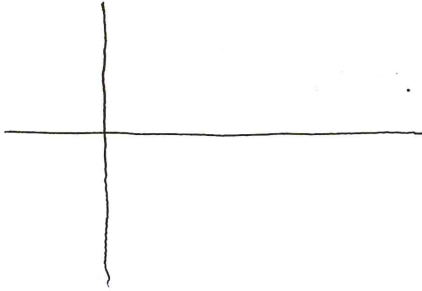
$$7. y = \frac{1}{2} \cos 2\theta$$



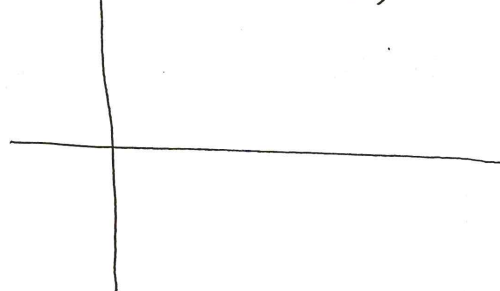
$$8. y = 3 \tan \frac{\theta}{3}$$



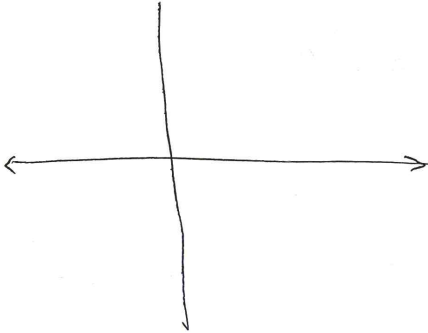
$$9. y = 3 \sin \left(\theta - \frac{\pi}{4} \right)$$



$$10. y = \frac{1}{2} \cos \left(\theta - \frac{\pi}{2} \right)$$



$$11. y = -4 \tan \left(\theta + \frac{\pi}{2} \right)$$



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

