

Trig Graphs - Combo Transformations

Graph each function.

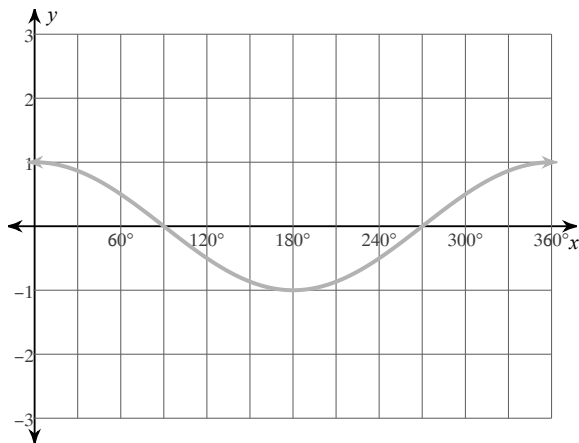
1) $y = \cos(4\theta - 30) + 2$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



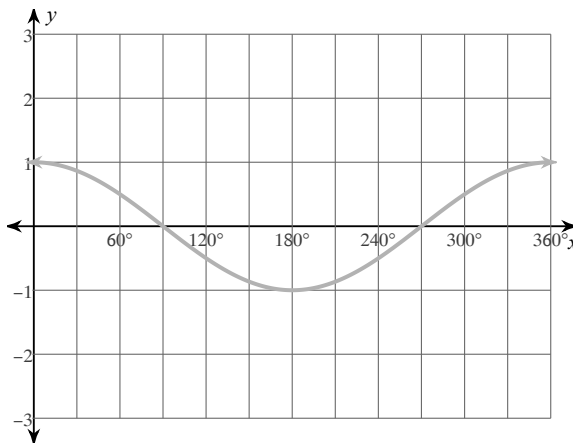
2) $y = 1 + 2\cos(4\theta + 90)$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



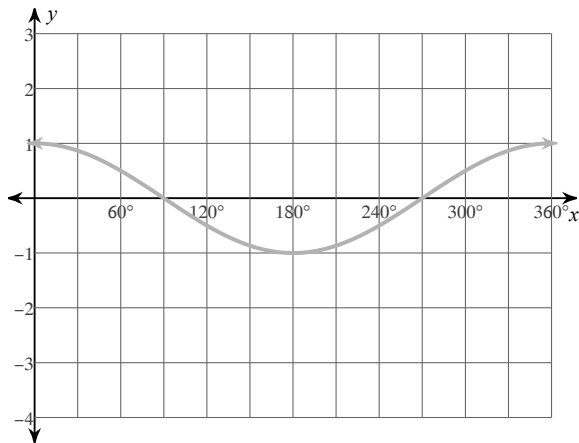
3) $y = 2\cos(2\theta - 30) - 1$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



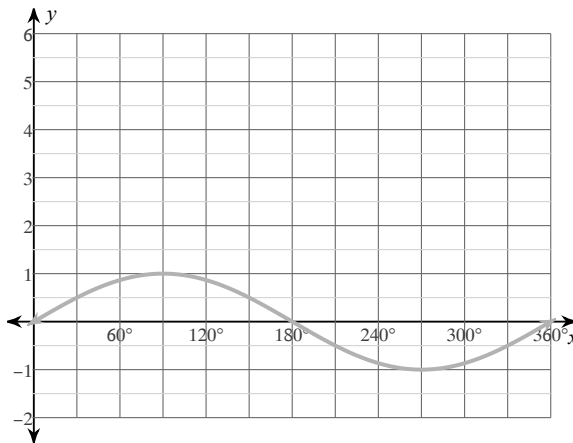
4) $y = 2 + 2\sin(2\theta - 270)$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



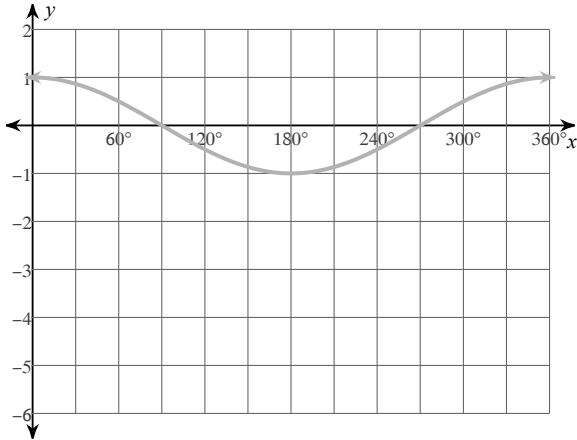
5) $y = 3\cos(4\theta - 90) - 2$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



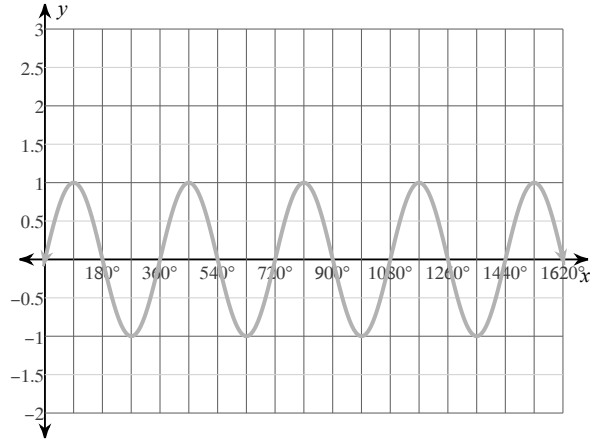
6) $y = 2 + \frac{1}{2} \cdot \sin\left(\frac{\theta}{3} + 135\right)$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



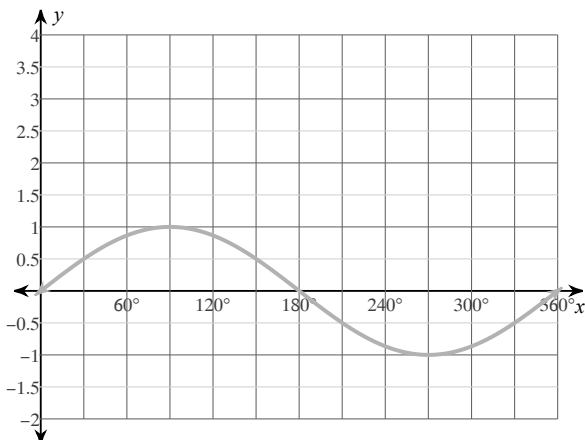
7) $y = \frac{1}{2} \cdot \sin(2\theta + 90) + 2$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



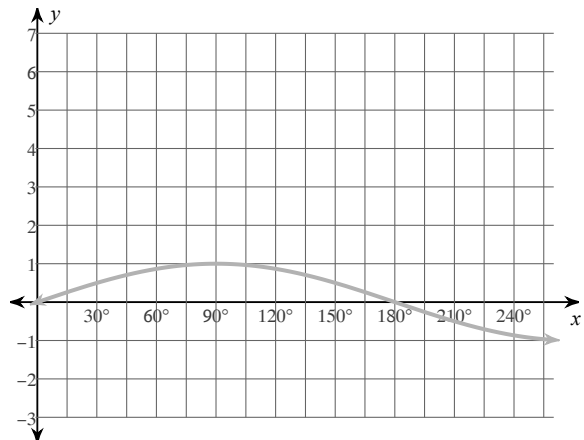
8) $y = 2 + 4\sin(2\theta - 150)$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



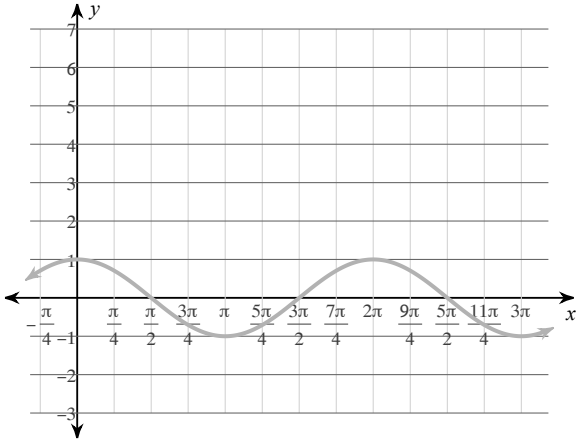
9) $y = 4\cos\left(\theta + \frac{3\pi}{4}\right) + 2$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



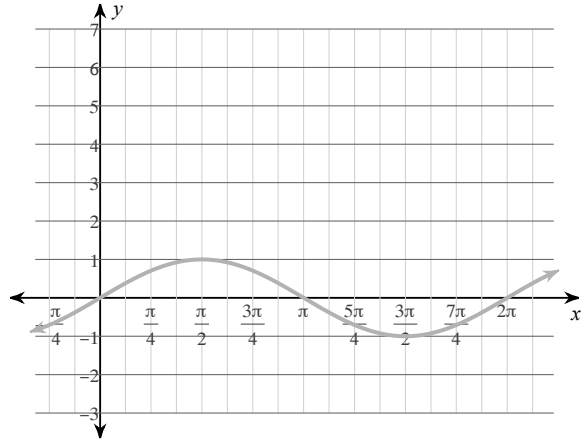
10) $y = 4\sin\left(4\theta + \frac{\pi}{4}\right) + 2$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



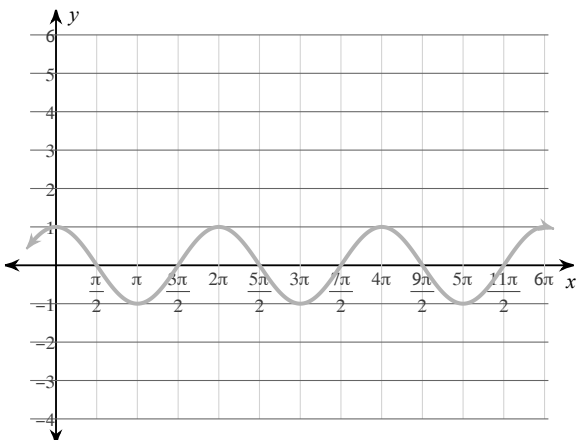
11) $y = 4\cos\left(\frac{\theta}{2} - \frac{\pi}{4}\right) + 1$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



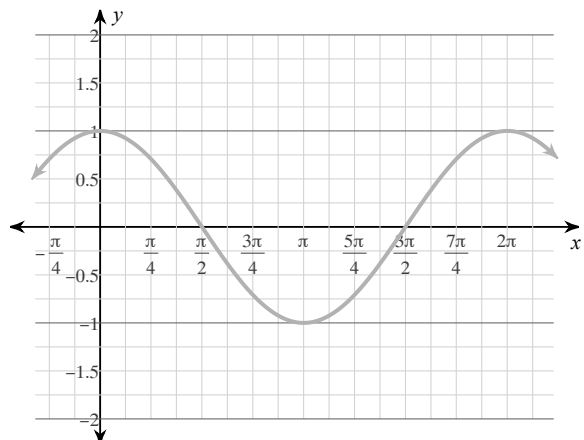
12) $y = \frac{1}{2} \cdot \cos\left(4\theta - \frac{\pi}{4}\right) - 1$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



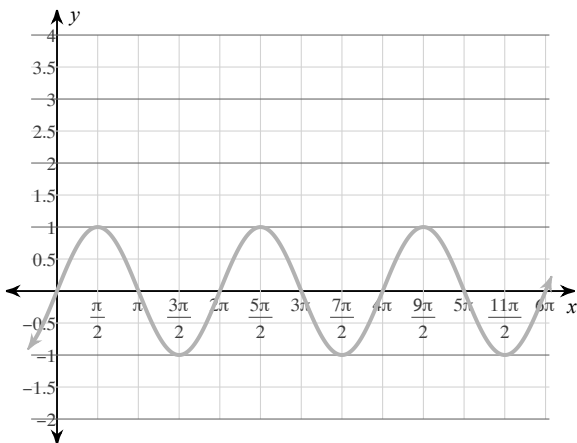
$$13) y = \frac{1}{2} \cdot \sin\left(\frac{\theta}{2} + \frac{3\pi}{4}\right) + 2$$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



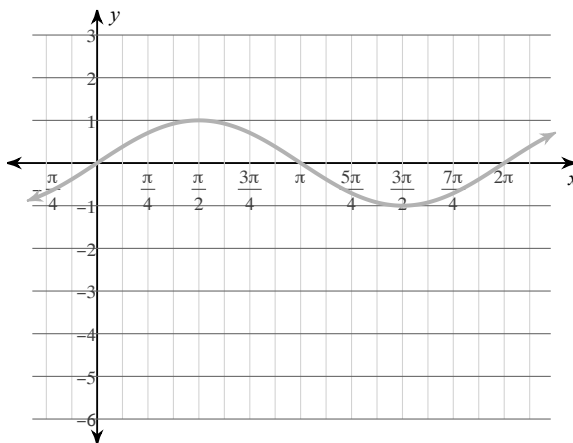
$$14) y = 3\sin\left(2\theta + \frac{\pi}{2}\right) - 2$$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



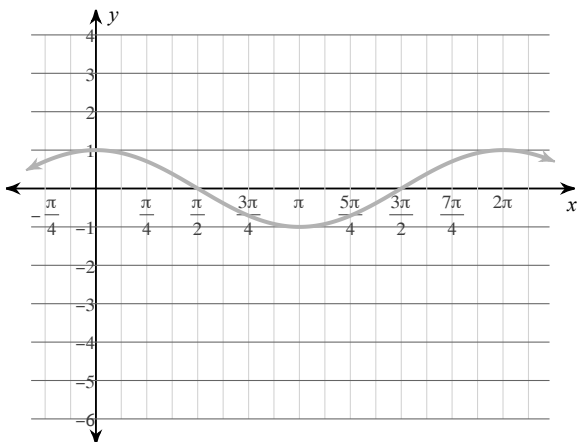
$$15) y = 4\cos\left(4\theta + \frac{\pi}{2}\right) - 1$$

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____



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

Amplitude: _____

Period: _____

Vertical shift: _____

Phase shift: _____

