

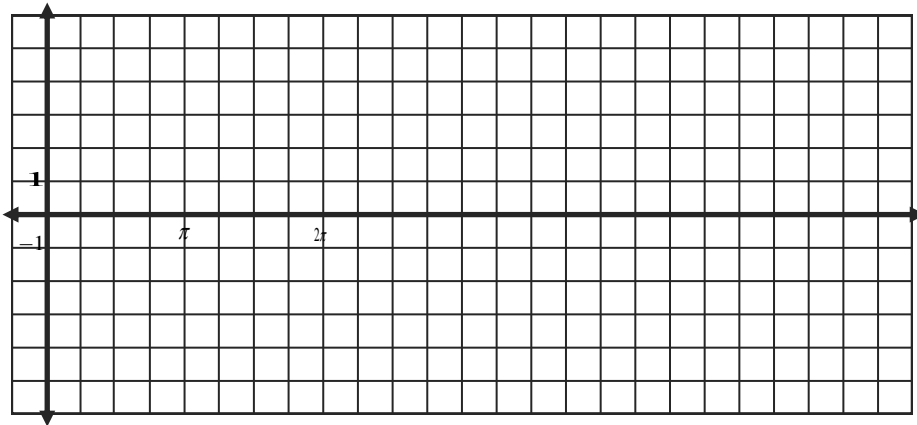
Assignment 2: Graphing Sine and Cosine Functions with Transformations

Name _____

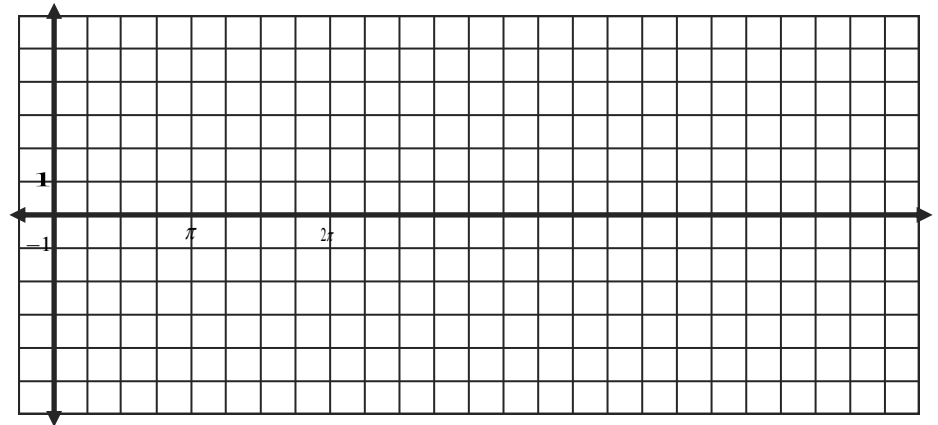
Indicate each transformation. Then, sketch the graph of each function.

Per _____ Date _____

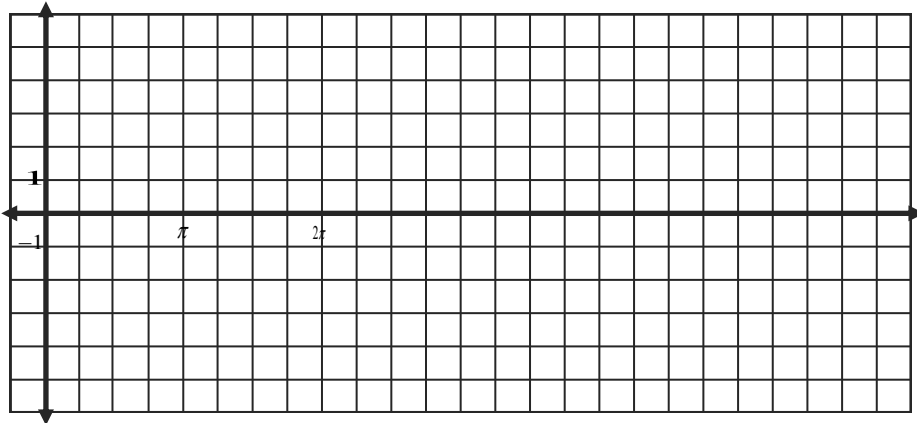
1. $y = 4 \sin x$ Amp = _____ Per = _____ Ph Sh = _____ Ver Sh = _____



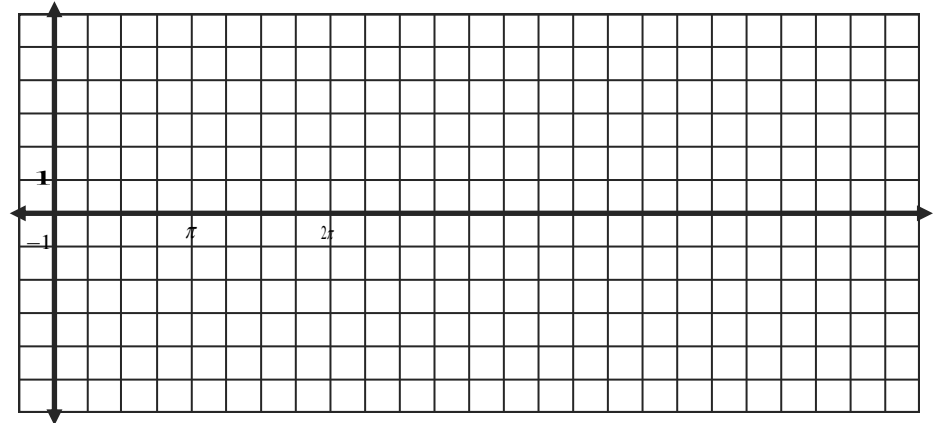
2. $y = -2 \cos x + 2$ Amp = _____ Per = _____ Ph Sh = _____ Ver Sh = _____



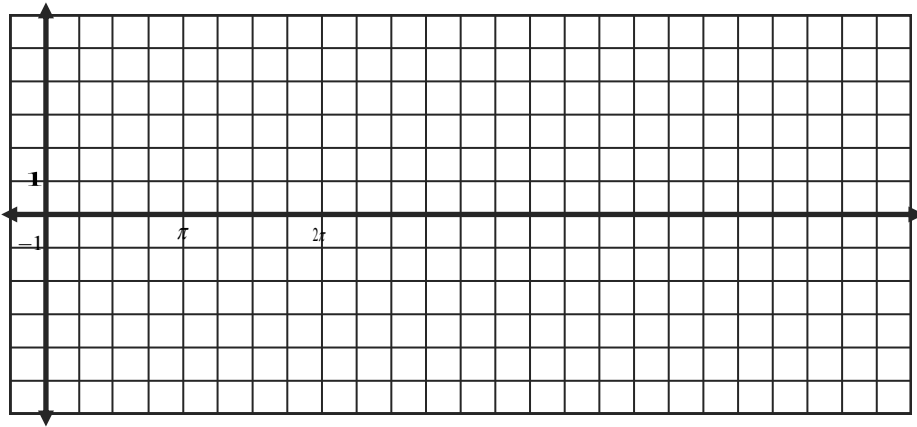
3. $y = \sin \frac{x}{2}$ Amp = _____ Per = _____ Ph Sh = _____ Ver Sh = _____



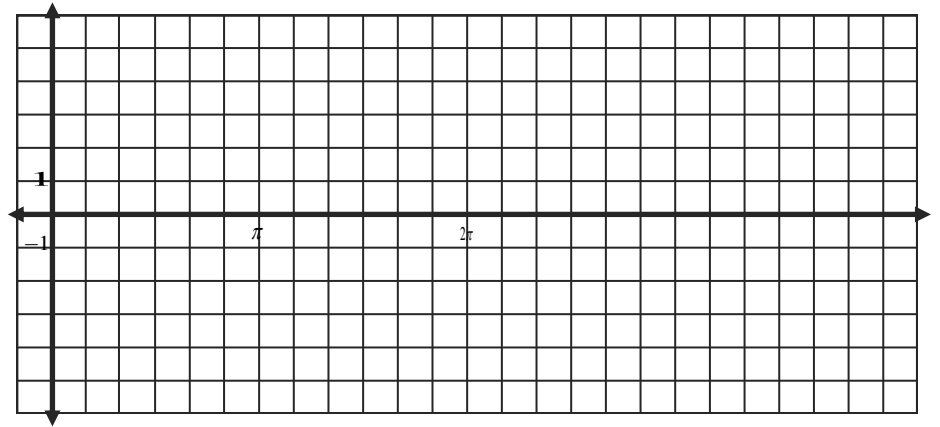
4. $y = \sin \left(x - \frac{\pi}{4} \right)$ Amp = _____ Per = _____ Ph Sh = _____ Ver Sh = _____



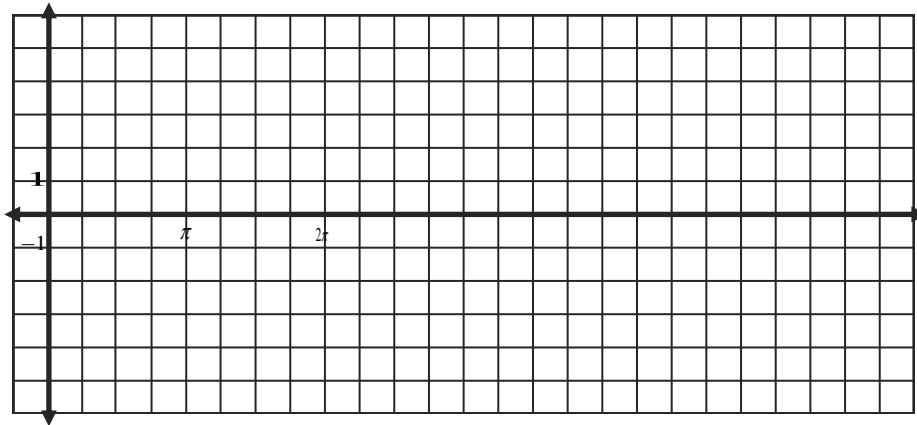
5. $y = \cos(2x)$ Amp = _____ Per = _____ Ph Sh = _____ Ver Sh = _____



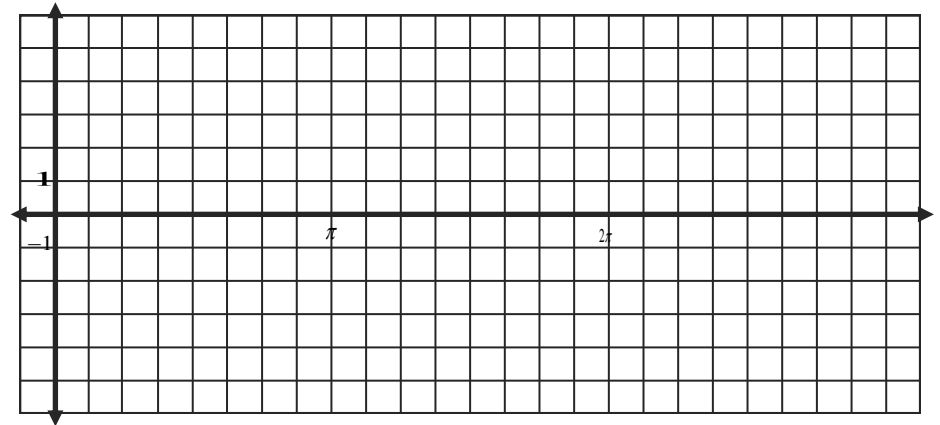
6. $y = \sin(3x)$ Amp = _____ Per = _____ Ph Sh = _____ Ver Sh = _____



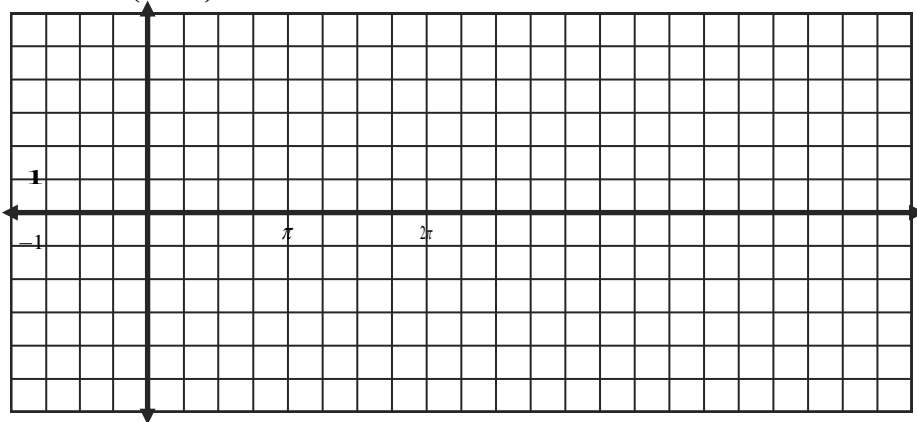
7. $y = \sin 2\left(x - \frac{\pi}{4}\right)$ Amp = _____ Per = _____ Ph Sh = _____ Ver Sh = _____



8. $y = 3\sin 4(x - \pi)$ Amp = _____ Per = _____ Ph Sh = _____ Ver Sh = _____



9. $y = \cos\left(x + \frac{\pi}{4}\right) + 1$ Amp = _____ Per = _____ Ph Sh = _____ Ver Sh = _____



10. $y = 2\sin 2\left(x - \frac{\pi}{2}\right) - 2$ Amp = _____ Per = _____ Ph Sh = _____ Ver Sh = _____

