

Integrated Math 3
Unit 5: Graphing & Modeling Trig. Functions
5.2 Worksheet

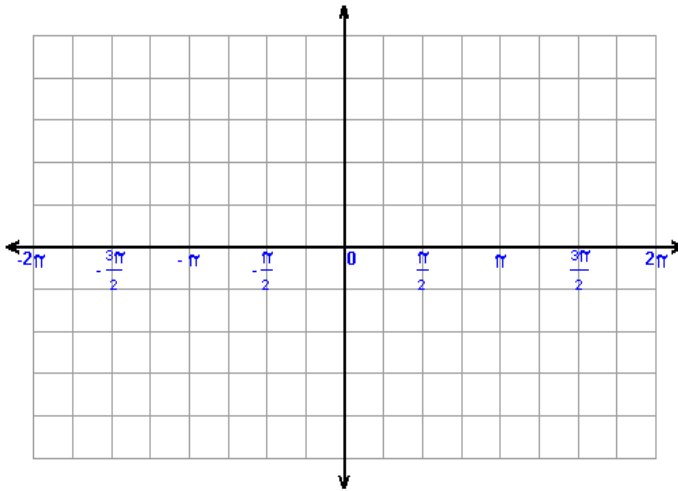
Name: _____

Date: _____ Period: _____

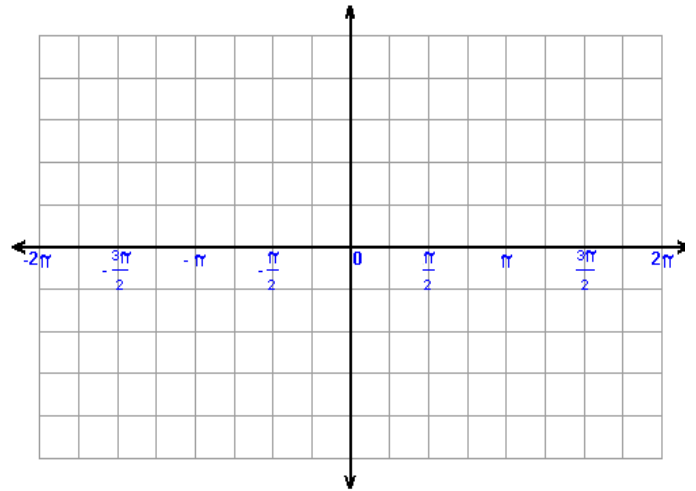
Vertical Shifts

1. Graph the sine and cosine functions. Then, state the range.

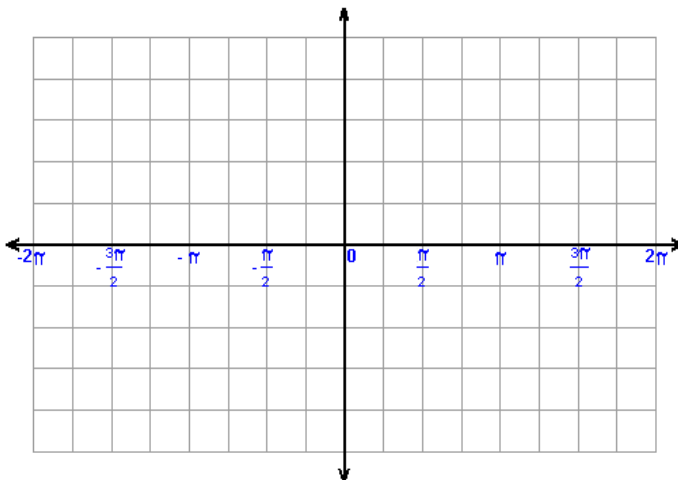
a. $y = 4\cos x - 1$



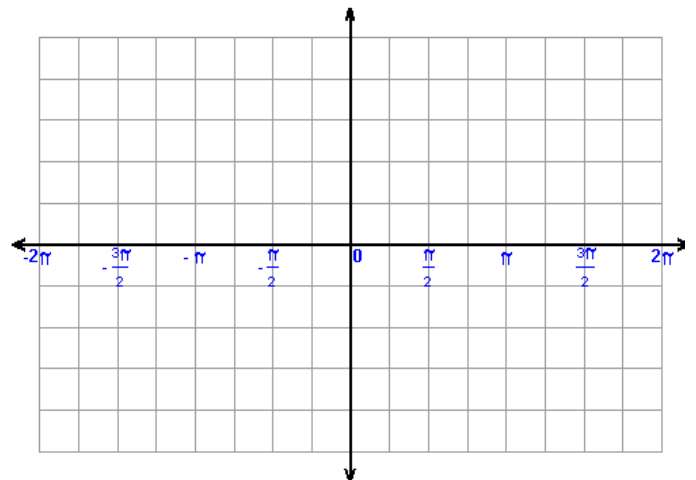
b. $y = -2\sin x + 3$



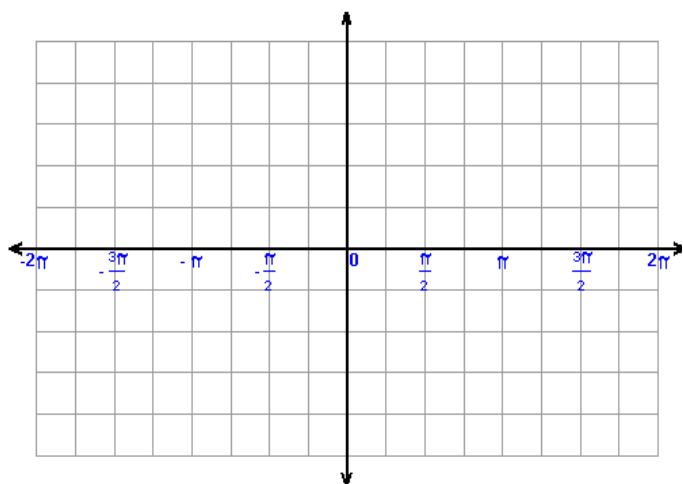
c. $y = \cos 2x - 2$



d. $y = 3\sin 2x + 1$



e. $y = -4 \cos 4x - 1$



f. $y = \frac{3}{2} \sin 2x + 3$

