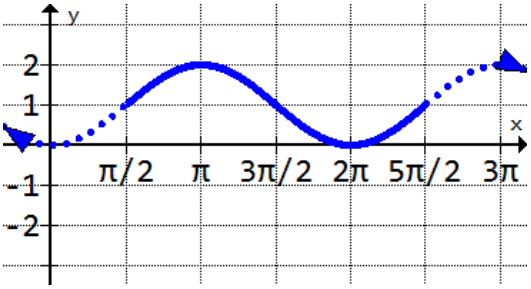
AA8-5 Name _____

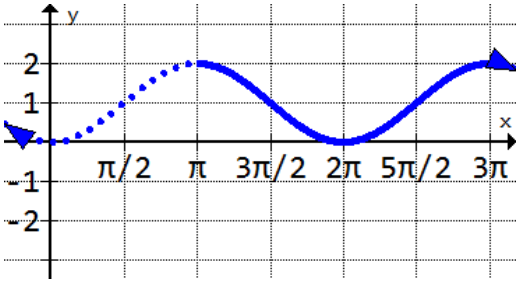
Transforming Sine and Cosine Graphs

Practice: C-Level Give an equation for each of the following graphs.

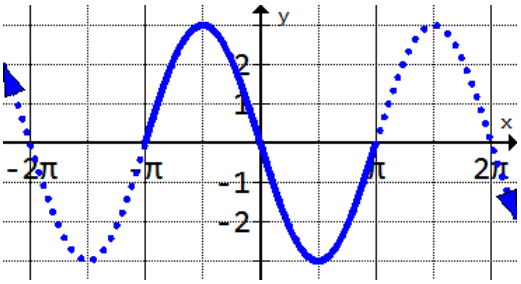
a) y =



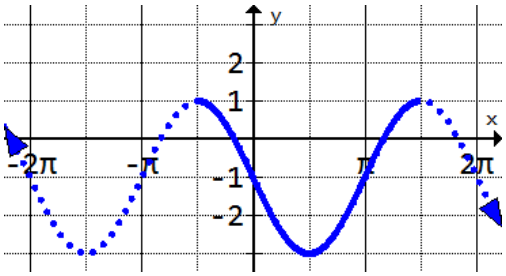
b) y =



c) y =

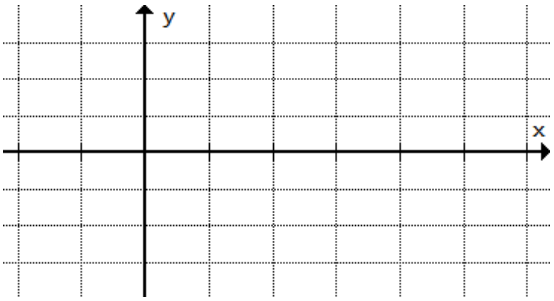


d) y =

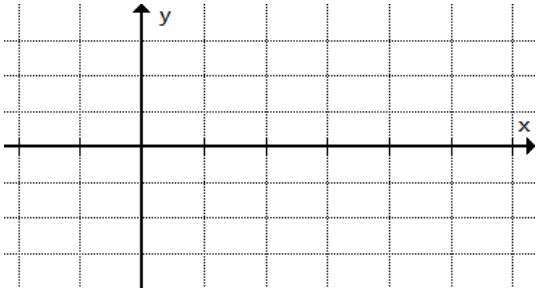


2) Sketch each of the following graphs.

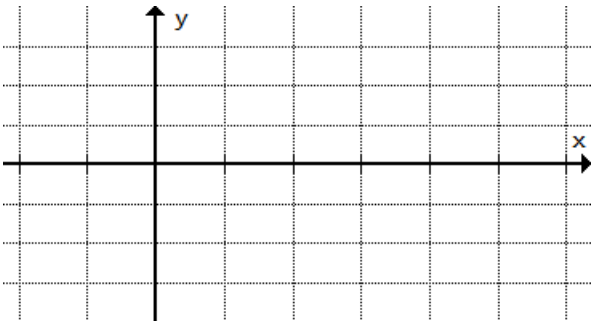
a) $y = \sin(x - \pi) + 1$



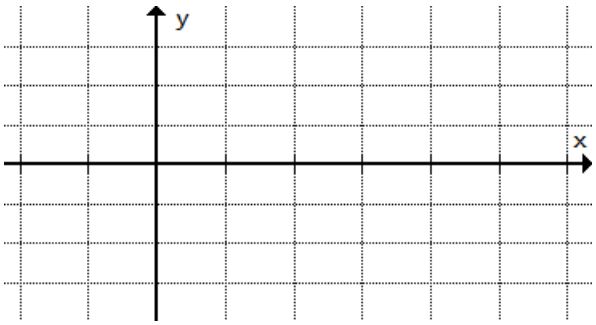
b) $y = 3\cos(x - \pi) + 1$



c) $y = -2\sin(x + \pi) - 2$



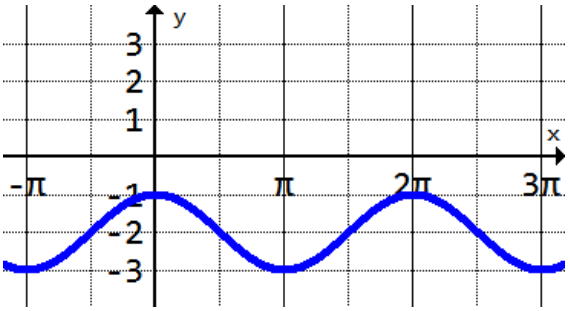
d) $y = -3\cos(x - \frac{\pi}{2}) - 2$



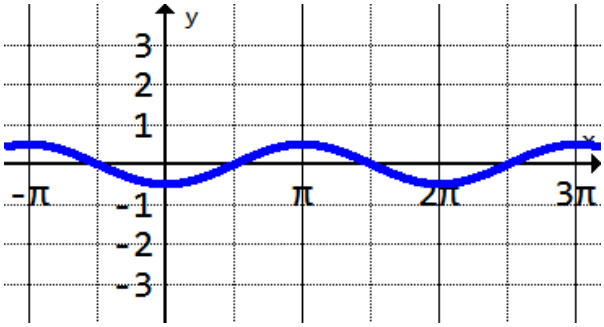
B Level

Give a sine **and** cosine equation for each of the following graphs. You may use either a positive or negative amplitude.

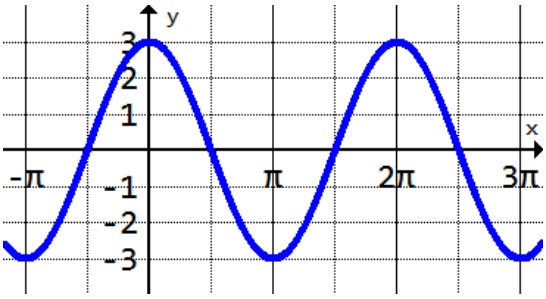
a) y = y =



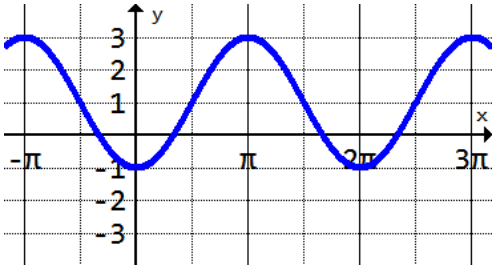
b) y = y =



c) y = y =



d) y = y =



Looking ahead:

Graph:

a) y = sin (2x)

Write the equation:

b)