Graph the following function

\[ y = -2 \cos\left(x + \frac{\pi}{3}\right) + 3 \]

The BLACK graph is the graph of \( y = \cos(x) \)
The BLUE graph is the graph of \( y = \cos\left(x + \frac{\pi}{3}\right) \)
The ORANGE graph is the graph of \( y = 2 \cos\left(x + \frac{\pi}{3}\right) \)
The PURPLE graph is the graph of \( y = -2 \cos\left(x + \frac{\pi}{3}\right) \)
The RED Graph is the graph of \( y = -2 \cos\left(x + \frac{\pi}{3}\right) + 3 \)