1. State the period and amplitude of the function graphed below:

![Graph of a trigonometric function]

Period = _____   Amplitude = _____

2. Using the information above, what function was graphed?

3. Find the period, amplitude and range for the function given by

\[ f(x) = 4 \cos(2\pi x) + 4 \]

Period = _____   Amplitude = _____   Range ________

Please make sure you range is an interval, not a number.

4. Graph \( f(x) = 4 \cos(2\pi x) + 4 \) labeling the x-axis and y-axis appropriately.