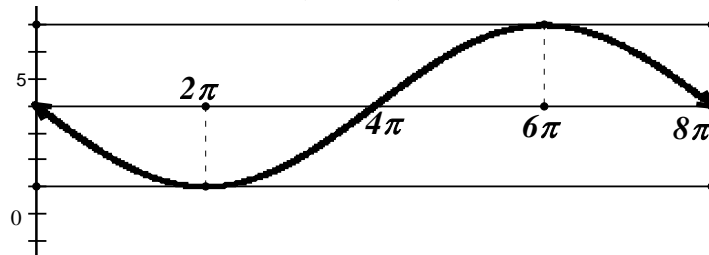**ANSWERS**

A) (_____ , _____ , _____)

B) _____

C) (_____ , _____)

A) The graph of $y = A\sin(Bx) + C$ is shown below.

Determine the   ordered triple (A, B, C).

B) Compute the degree-measure of the <u>largest</u> <u>acute</u> angle α for which $2\sin 15\alpha - 1 = 0$.

C) $\left(-1 - \sqrt{3}i\right)^{100} = A\left(2^B\right)\left(1 + \sqrt{3}i\right)$, where A and B are integers.

Compute the ordered pair (A, B).