Quiz 0

Sep 19, 2014.

All the answers can be found by 'for' loop, 'if' loop, 'while' loop, 'and', 'or', etc.

1. Find the smallest number among $\sin n$, $n = 1, 2, \cdots 100$, and the corresponding n.

2. Find the largest N such that $\sum_{j=1}^{N}(1/j) < 5$ and the corresponding sum.

3. A point (i, j) is called a grid point if both i, j are integers. How many grid points are there in the set $\{(x, y)|(x-10)^2 + (y-10)^2 < 35\} \cup \{(x, y)|(x-10)^2 + (y-10)^2/4 < 50\}$?