You can preview this quiz, but if this were a real attempt, you would be blocked because:

This quiz is not currently available

**Question 1**
The Paraguin compiler translates a program into ________.

Select one:
- a. A parallel program using OpenMP suitable for running on a shared-memory system
- b. A sequential program using gcc suitable for running on a single processor system
- c. A parallel program using CUDA suitable for running on GPUs
- d. A parallel program using MPI suitable for running on a distributed-memory system

**Question 2**
What is the default chunksize the Paraguin compiler uses to parallelize a for loop with \( N \) iterations on \( P \) processors?

Select one:
- a. \( \frac{N}{P} \)
- b. \( \lfloor \frac{P}{N} \rfloor \)
- c. \( \lceil \frac{P}{N} \rceil \)
- d. \( \lfloor \frac{N}{P} \rfloor \)
- e. \( \lceil \frac{N}{P} \rceil \)

**Question 3**
When creating a function using the Paraguin compiler that needs to be executed by all processors, you must do which of the following?

Select one:
- a. Place the function declaration inside a parallel region
- b. Compute the average of the 4 neighboring points
- c. Broadcast the function
- d. Specify the number of processors in the job description file
- e. Place the call to the function within a parallel region

**Question 4**
With the Paraguin compiler, which pragma statement will declare a parallel region?

Select one:
- a. `#pragma omp parallel`
- b. `#pragma paraguin parallel`
- c. `#pragma paraguin begin_parallel`
- d. `#pragma paraguin forall`