Mini-Quiz Week 11

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**
Suppose a kernel is called with a 1-D grid and 1-D blocks. What is the equation to compute a unique global index for each thread?

Select one:
- a. blockIdx.x + blockDim.x * threadIdx.x
- b. blockIdx.x * blockDim.x * threadIdx.x
- c. blockIdx.x * blockDim.x + threadIdx.x
- d. None of the other answers
- e. blockIdx.x * threadIdx.x + blockDim.x

**Question 2**
What is a data parallel computation?

Select one:
- a. None of the other answers
- b. The same operation is performed on different data elements at the same time.
- c. Parallel data is transferred to the computer at the same time
- d. Different operations are performed on different data elements at the same time.
- e. Different operations are performed on the same data element at the same time.

**Question 3**
What is meant by flattening an array in GPU programming?

Select one:
- a. Putting a heavy weight on the array.
- b. Converting the indices of a 2-dimensional array to a 1-dimensional index.
- c. None of the other answers.
- d. Storing a 2-dimensional array in memory in one linear sequence.

**Question 4**
In CUDA, what are three angle brackets specifically used for?

Select one:
- a. Reading keyboard data to the device and outputing data from the device to the display.
- b. Surrounds kernel code.
- c. None of the other answers.
- d. To indicate a routine to be executed by the device (GPU) and delimits the grid/block organization to be used.
- e. Logical shift left or right