Question 1 1 / 1 point

Given a cache of size 3 and a sequence of page requests  $\{4, 1, 2, 5, 4, 3, 4, 1, 5, 4\}$ , Please choose the number of cache ``misses" for Algorithm FIFO .

- $\bigcirc$  6
- 7

 $444555111 \\ 11144455 \\ 2223334$ 

- 8
- **9**
- **10**

Question 2 1 / 1 point

Given a cache of size 3 and a sequence of page requests {4, 1, 2, 5, 4, 3, 4, 1, 5, 4}, Please choose the number of cache ``misses" for Algorithm LRU.

44455511 1114444 222335

- $\bigcirc$  6
- 7
- **8**
- 9
- 10

Question 3 1 / 1 point

Given a cache of size 3 and a sequence of page requests {4, 1, 2, 5, 4, 3, 4,

Question 3 1 / 1 point

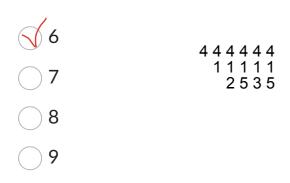
Given a cache of size 3 and a sequence of page requests {4, 1, 2, 5, 4, 3, 4, 1, 5, 4}, Please choose the number of cache ``misses" for Algorithm LFU. (If there are multiple pages have the same frequency, then follow the algorithm FIFO for this request)

6
44455511
1114444
222335

8
9
10

Question 4 1 / 1 point

Given a cache of size 3 and a sequence of page requests {4, 1, 2, 5, 4, 3, 4, 1, 5, 4}, Please choose the number of cache ``misses" for Algorithm LIFO.



10

Question 5 1 / 1 point

Question 5 1 / 1 point

Given a cache of size 3 and a sequence of page requests {4, 1, 2, 5, 4, 3, 4, 1, 5, 4}, Please choose the number of cache ``misses" for Algorithm FF (Furthest in Future).

<b>√</b> 6	4 4 4 4 4 4 1 1 1 1 5
7	2533
8	
9	
<u> </u>	

Question 6 1 / 1 point

What is a Priority Queue?

- A queue where elements are dequeued in the order they were added.
- A data structure where each element has a priority, and elements with higher priority are dequeued before those with lower priority.
- A data structure where items are inserted in the order they are received.
- A data structure where the smallest item is always dequeued first.