

Name \_\_\_\_\_

1. Consider a reference string:

1 2 3 4 5 2 4 6 3 1 5 7 2 1 1 3 3 4 5 6 5 5 4 3 2 4

There are a total of 4 page frames available.

- a. Construct the page replacement table for FIFO algorithm and record how many page faults. **Fill in the page table after each reference.**

A 4x20 grid of squares, where each square is 1 unit wide and 1 unit high. Below each column of squares is a number. The numbers are: 1, 2, 3, 4, 5, 2, 4, 6, 3, 1, 5, 7, 2, 1, 1, 3, 3, 4, 5, 6, 5, 5, 4, 3, 2, 4.

- b. Construct the page replacement table for LRU algorithm and record how many page faults. **Fill in the page table after each reference.**

- c. Construct the page replacement table for 2<sup>nd</sup> chance algorithm and record how many page faults. **Fill the page table after each reference.**

1 2 3 4 5 2 4 6 3 1 5 7 2 1 1 3 3 4 5 6 5 5 4 3 2 4

- d. Construct the page replacement table for MFU algorithm and record how many page faults. **Show the page table after each reference.**