## **EECE.4810/EECE.5730: Operating Systems**Spring 2018

Lecture 18: Key Questions April 9, 2018

1.	<b>Example:</b> Consider a logical address space of 256 pages with 4 KB page size, mapped onto a physical memory of 64 frames
a.	How many bits are in the virtual address?
h	How many bits are in the physical address?
0.	Trow many ones are in the physical address:
c.	What's the total size of each address space (virtual and physical)?

2. **Example:** Given a system using 32-bit virtual addresses, a 4 KB page size, and 4 bytes in each page table entry, what's the size of the page table?

3. Describe the organization of a multilevel page table.

4. Describe the organization of a hashed page table.

5. Describe the organization of an inverted page table.

6. Describe the contents of a page table entry.

7. How is a page chosen to evict when necessary?