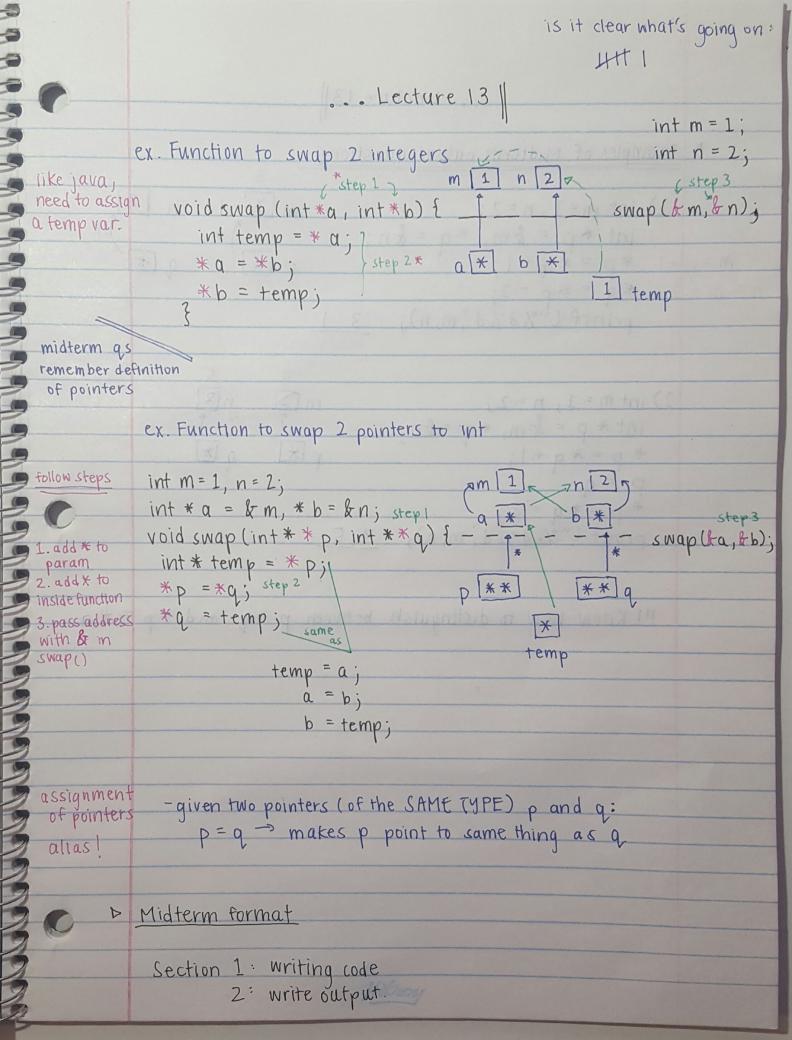
2510 : Lecture 13 Feb 08, 2017 D Simulating pass by reference ex. Want to write a function that triples an int 1 attempt: void triple (int n) { int a=1; n=3; triple (a)

1 * triple gets a copy of a, triple (a); still 1. changes the copy */ midterm To pass-by-reference": 1. put an EXTRA * before the parameter you want to modify void triple (int * n) { 2. within function, dereference the parameter to get to the original (follow the arrow) or address * n * = 3. 3. When calling the function, pass in the address triple (a); If we need to void triple (int * p) { triple (&a); -change smtg in *p *= 3; param, add * and dereference.



Examples of Midterm output questions

1) int
$$m = 1$$
, $n = 2$; $m \ge 1$
int $*p = &m$, $*q = &n$; $m \ge 1$
 $m = n + 1 + 1 + p = *q + 1$; $p \ne 1$
 $n = m - 2 + q = *p - 2$;
printf ("%d%d", m, n); $3 \le 1$

!!! Know now to distinguish between p = q and *p = * q

7