EX 4 p 254
a) Request of 12 MB
First fit -> 20 (#3)
Best fit -> 12 (#7)
Worst fit -> 20 (#3)
Next fit -> 20 (#3)

b) Request of 10 MB
First fit -> 10 (#1)
Best fit -> 10 (#1)
Worst fit -> 18 (#4)
Next fit -> 18 (#4)

c) Request of 9 MB
First fit -> 18 (#3)
Best fit -> 9 (#5)
Worst fit -> 15 (#8)
Next fit -> 9 (#6)

EX 7 p 254
a ) physical address corresponding to virtual addr 20 : 8212
b) physical address corresponding to virtual addr 4100 : 4100
c) physical address corresponding to virtual addr 8300 : 24684

EX 28 p 257
FIFO : 6 page faults
LRU : 7 page faults

EX 38 p 258
Solution : Fragment B
A frame is 128 words so one row of the array occupies half a page. Thus fragment B will generate a page fault only after 2 iterations of the outer loop, that is in total 64/2= 32 page faults. Fragment A however will generate a page fault after 2 iterations of the inner loop since it looks for consecutive columns. In total fragment A will cause 64*64/2= 2048 page faults.