2006 Paper 1 Question 2

Operating Systems

For *each* of the following, indicate whether the statement is true or false, and explain why this is the case (no marks will be awarded for an answer with no explanation).

(*a*) The Windows XP Executive is mostly implemented in user mode.

(*b*) Floating-point hardware can be used to invert the access matrix.

(*c*) Polled-mode I/O is sometimes preferable to interrupt-driven I/O.

(*d*) Microkernel operating systems are faster than monolithic systems.

(*e*) Windows XP is architecturally more secure than Unix.

[2 marks each]