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]