

I/O Systems

# **Revaiew Questions**

### Section 12.1

**12.1** What are the two conflicting trends of I/O devices?

#### Section 12.2

- **12.2** What is a controller?
- **12.3** True or False? Most CPUs allow some interrupts to be ignored so that a critical instruction cannot be interrupted.

## Section 12.3

- **12.4** True or False? A given device may require different drivers for different operating systems.
- **12.5** What is an alternative to a nonblocking system call?

#### Section 12.4

**12.6** List at least three different services provided by the kernel I/O subsystem.

### Section 12.5

**12.7** True or False? The lifecycle of an I/O request does not require many CPU cycles.

## Section 12.6

**12.8** What operating system is the STREAMS mechanism designed for?

# Section 12.7

**12.9** True or False? I/O operations do not have a significant impact on performance.