Other permissions

When can process A send a signal to process B with kill?

- Allow if sender and receiver have same effective UID

- But need ability to kill processes you launch even if `setsuid`,
  so allow if real UIDs match, as well

Debugger system call `ptrace` - lets one process modify another's memory

- `setuid` gives a program more privilege than invoking user
  so do not let a process ptrace a more privileged process
  e.g. require sender to match real & effective UID of target

- Also disable/ignore `setuid` if ptraced target calls exec

- Exception - root can ptrace anyone

Unix security hole

➡ Even without root (or setuid)
attackers can trick root owned processes into doing things

Example - clear unused files in /tmp every night

```
$ find /tmp -atime +3 -exec rm -f -- {} \;
```

- `find` identifies files not accessed in 3 days
- rm -f -- path deletes file path