















Computer Crime

- □ 2001 Survey 85% of businesses had a security breach
- □ Estimated loss = \$377 million
- Each Year: billions lost
- □ Most crime by company insiders, exploiting loopholes
- □ Many companies cover up, rather than publicize their losses







Computer Security

- Crime
- Cryptography
- □ Security vs. Privacy
- Ethics



Private Key
Public Key



Security vs. Privacy - p405

- Employers may read email
- □ ISP's have right to read email
- Phone systems must be capable of being tapped by FBI
- GUID Global Unique Identifier
- GPS, Cell phones & 911 calls

Computer Ethics – p 407

- Know the rules and the law
- Don't assume it's okay if it's legal
- □ Think scenarios
- $\hfill\square$ Get wisdom from others talk about it
- □ Make yourself proud
- Golden Rule
- □ Take the long view

Artificial Intelligence?

- □ Is the soul immaterial?
- Does it require a soul in order to be intelligent?
- What if it were possible, would you make an intelligent robot?