

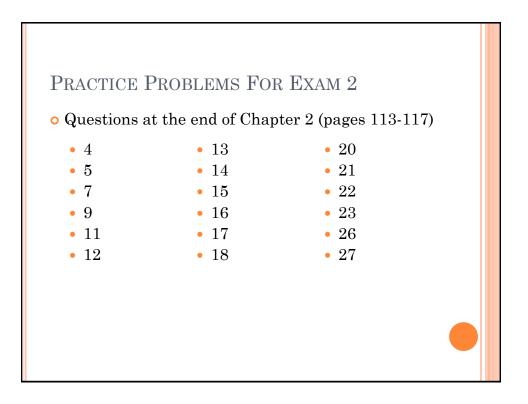
ANNOUNCEMENTS Lab 3 due this week (week of October 18th) Labs this week – exam review In-lecture activity – Wednesday Oct 20th Exam 2 – Friday, October 22nd in lecture Lab 4 begins week of October 25th

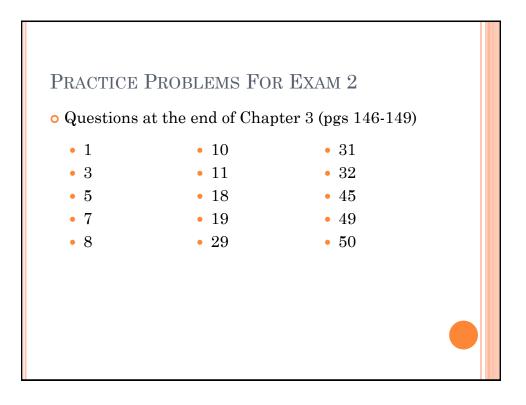
SECURITY IN OPERATING SYSTEMS - Administrators -login for users - Anditing software -software that is alwayprunning & looking for strange behavior

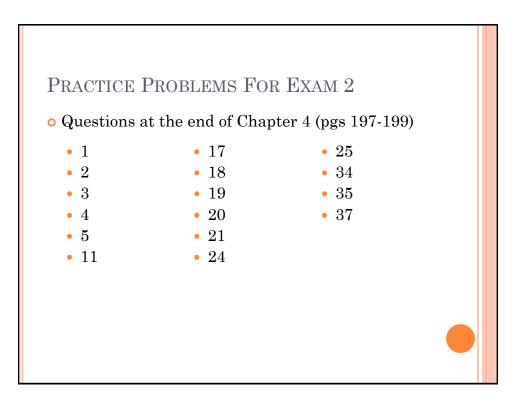
SECURITY IN OPERATING SYSTEMS -priviledge mode -vun priviledged instructions -small amount of time -Non-priviledge mode - what the computer runs most of the time

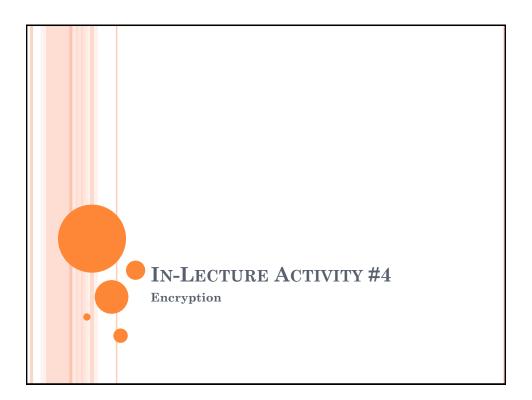
Federeal SECURITY ON A NETWORK - Malware & biggest threat -Virus - Worm -self-propogating -Trojan horse -Phishing Denial Service -Spyware

HOW CAN COMPUTERS (AND USERS) **PROTECT THEMSELVES?** Firewalls - Gateway to anetwork or computer Proxy server - Intermediary between client Eserver Anti-vine stare





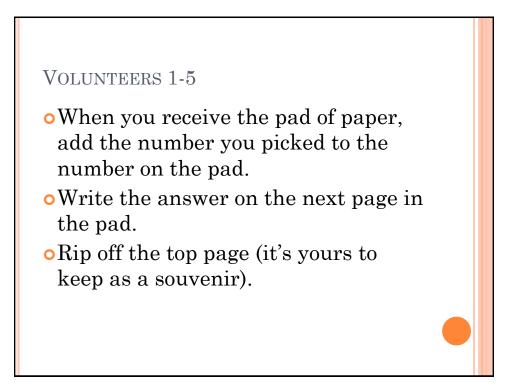


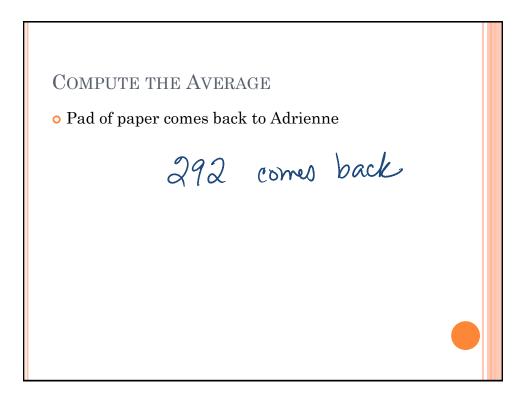


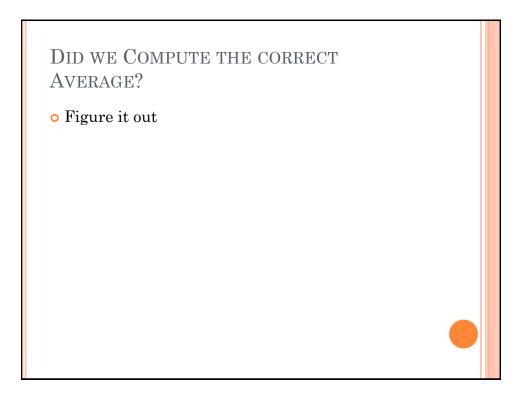
VOLUNTEERS (NEED 6)

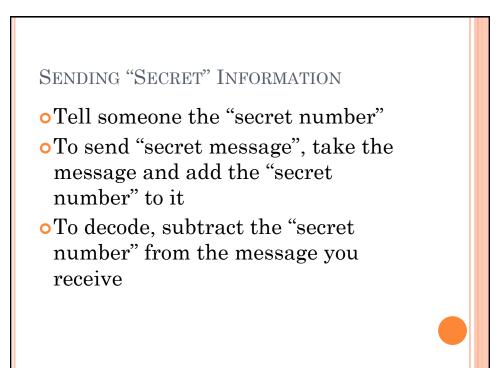
•Volunteers 1-5: Pick a number with 1 or 2 digits and write it on the piece of paper. (Will also need to do some addition in a moment.)

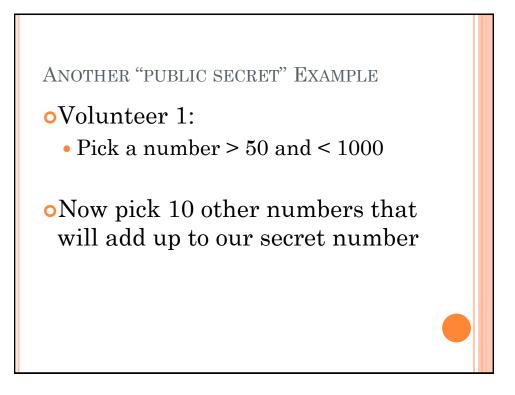
•Volunteer 6: Pick a 3-digit number and write it on the piece of paper.

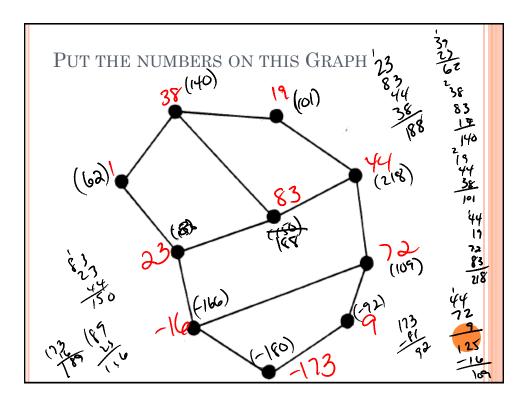


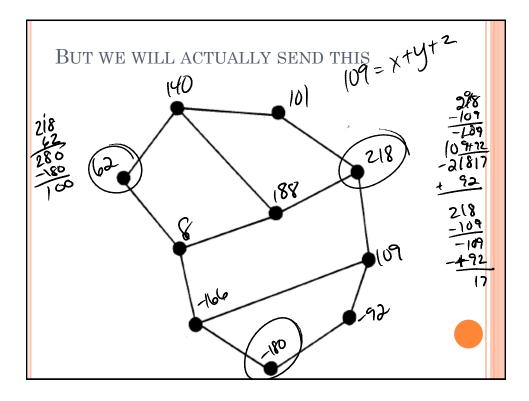


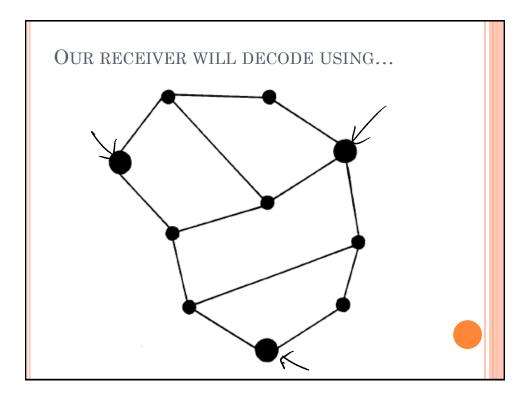


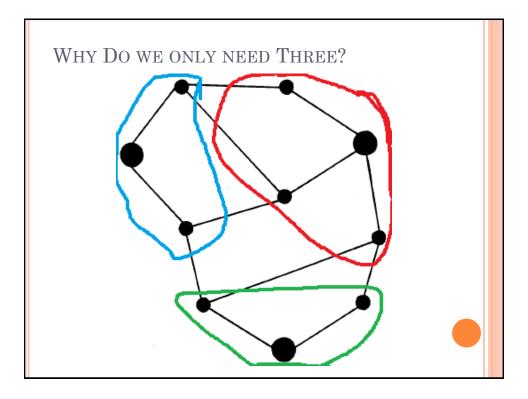


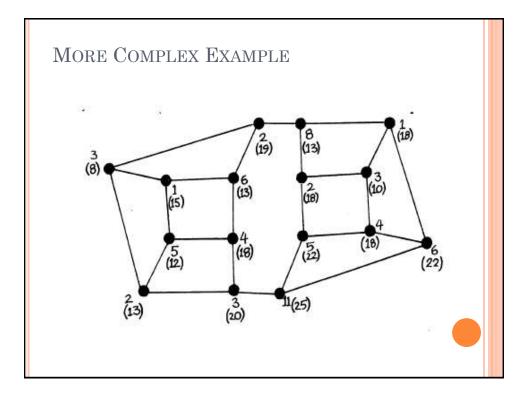


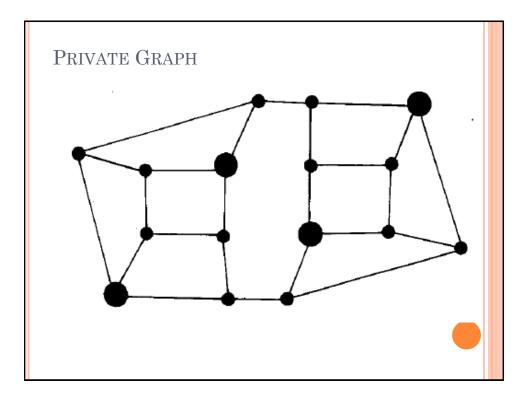


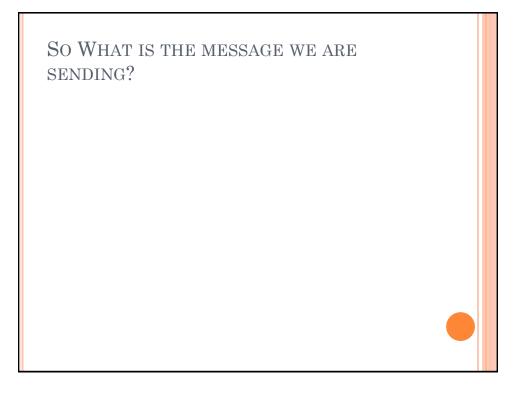


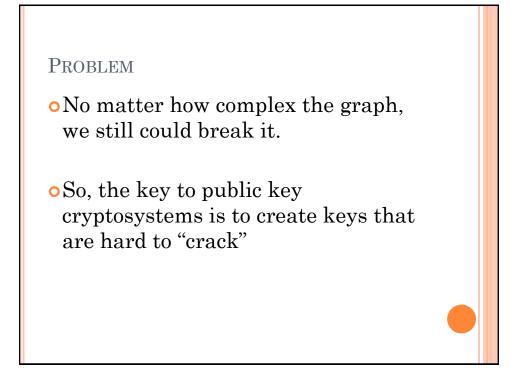


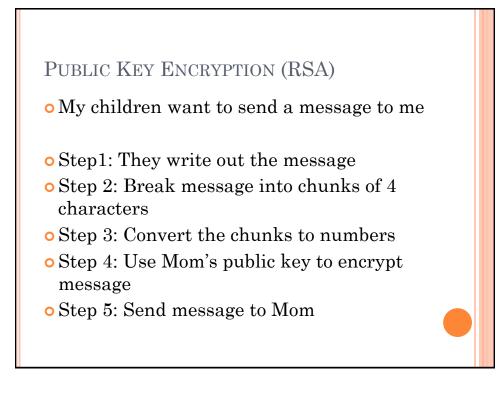












ENCRYPTION

- Mom gets message and uses private key to decrypt message and read it.
- To respond, Mom does same steps, but uses the kid's public key to encrypt. The kids use their private key to decrypt.
- Neither party knows the other's private key, only their public keys.

