

Hand in a stapled, printed copy with your answers.

Homework: /SI110/Cyber Operations/Cyber Attack

1. Unchanged default passwords for administration accounts on infrastructure devices like wireless base stations and routers and firewalls are a fairly common vulnerability. Use your web-searching skilz to find out the default admin account username and password for **vyatta** routers.

2. Pull up

<http://www.exploit-db.com/>

and look at the exploits listed on the front page. If you click on the name of an exploit, code for incorporating it into "Metasploit", a security testing tool, pops up. Early on in the code, is a human-readable text description of the exploit.

a) Find an exploit that could be used to gain access to an outside host, and which uses a buffer overflow attack. Give

name of exploit:

port and service that get exploited:

b) Find an exploit that could be used for privilege escalation on a host that you already have access to --- i.e. you can execute commands as an unprivileged user. Give

name of exploit:

name of program that gets exploited.