**Operating System Commands**

For both Linux and Windows CLI, what programs are used to create and/or modify files?

* notepad/notepad+++

**Networking**

An IP address is broken up into 4 groups of numbers. What are they called and why? BONUS: How is this related to a subnet's CIDR notation?

* These 4 groups of numbers are called octets. They are called octets because the term is used to avoid ambiguity because some old computers had different numbers of bits per byte.
* CIDR relates to this because it will identify the number of bits of the IP address that are considered significant to routing

**Security Principles**

What does "AAA" mean in information security? Define each and state why they are important.

AAA stands for:

Authorization:

* privileges or permissions a user must have to do certain task; making sure the use has the privileges/ permissions to execute the task at hand. Not any user can do any task.

Authentication:

* a way of identifying a user(enter valid username & password). Making sure the user is who they say they are.

Accounting:

* Resources a user consumes during access; where is the user searching. What kinds and types of information is user looking at ? If u are for a certain task. You do not need to end up in certain areas.

**Cyber Threat Intelligence**

If a user or application is seen using the programs identified under Operating System Commands, what could that be indicative of?

* A breach in the system where the attacker is accessing programs through the CLI and or other tools they will use to exploit information