**Question 1**

* IP Address: 150.203.161.98
* Command: dig [www.cecs.anu.edu.au](http://www.cecs.anu.edu.au) A

**Question 2**

* CNAME: rproxy.cecs.anu.edu.au
* Command: dig [www.cecs.anu.edu.au](http://www.cecs.anu.edu.au) CNAME
* IP of web server: 150.203.161.98
* An alias would be useful for this server as people are more used to typing in “www” in the URL to access the website, rather than the real name. Also, whoever owns it can run multiple services with different domain names, but still point to the same address. E.g. mail.google.com, maps.google.com, docs.google.com all point to google.com.

**Question 3**

* In the Authority section, it tells me what DNS servers can provide an authoritative answer to my query.
  + In the output, I can see that there are four DNS servers ns1 / ns2 / ns3 / ns4.cecs.au.edu which are responsible for the domain name.
* In the Additional section, it simply lists the IP addresses of DNS servers in the Authority Section.
  + As expected, there are four IP addresses listed with respect to the four DNS servers with authority.

**Question 4**

* The local IP address is 192.168.1.93.
* Found this in System Preferences of my Macbook, but this address is within the reserved range of  
  192.168.0.0 to 192.168.255.255 for private networks.

**Question 5**