



**ANSWER SHEET**  
**FEUILLE DE RÉPONSES**  
**HOJA DE RESPUESTAS**

**STUDENT H Q2**

Please complete the boxes/Veuillez remplir les cases/Llene los recuadros

Question  
Question  
Pregunta

Examiner  
Examinateur  
Examinador

2a) i) IP address stands for Internet protocol. It is a unique number that identifies a computer or device on a network. An example is 198.164.159.3

2a) ii) the client makes requests from the server ~~and~~ for something such as a program ~~and the~~ or permissions and then the server accepts or denies the request. Another example is the client logging in to a server, the server can deny or accept the request.



2a iii) The DNS Server will look up IP addresses and then match it to a webpage name (domain name)

2b i) ~~Some~~ web browsers use different security settings that allow different things to happen. For example, some browsers may not allow you to access certain URLs because of their content type, but a different browser (Internet Explorer or Safari) might.

2b ii) One reason why it is more difficult is because the person may not be online to catch them. You need to be online so ~~if~~ they can find your IP address and trace it.





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|                                  |   |                                     |
|----------------------------------|---|-------------------------------------|
| Question<br>Question<br>Pregunta | <p>2b) ii) continued</p> <p>A second reason would be different people may use that computer, or they may use more than one computer so it would be hard to prove it was them</p>  | Examiner<br>Examineur<br>Examinador |
|                                  | <p>2c) There are advantages and disadvantages to using P2P networks. One advantage is cost. It would be cheaper than hosting everything on your own network. You would not have to have expensive servers, everyone could share from their own computers, which are cheaper. However, there are several disadvantages such as</p> |                                     |



## Security and Speed of the P2P Network.

The security is a concern because P2P networks are not usually as secure as a server-client network that has firewalls and other devices in place to manage the security. Also the speed of P2P networks depends on each of the computers involved, so it could be much slower, whereas a client-server network often has dedicated bandwidth for certain tasks.

A third concern would be that the data could be intercepted by someone easier in a P2P network thus putting their data at risk.

In conclusion I recommend they do not use a P2P network to share their files. They should stick with a client-server model.

