Question 1
When roaming (i.e., using your mobile phone in a foreign country, or using it within your country but with a different provider’s network), which provider is in charge of authentication?

Question 2
3GPP networks provide both authentication and encryption. Is authentication or encryption more important for providers? And for users?

Question 3
In 4G the signalling connection is secured between the phone and the signalling gateway, while the user data connection is secured between the phone and the cell tower. What is the reason for this difference?

Question 4
Consider the man-in-the-middle attack (see slide 28). Why/how is the man-in-the-middle able to decrypt and encrypt the traffic?