5.3 Question 3

5.3.A Is scenario 2 safe against man-in-the-middleattacks? Why?

5.3.B In scenario 1, is each side confident about the authenticity of the other side? Why?

5.3.C In scenario 1, assume that in step 2 only nonce 2 is being transmitted (and not nonce 1). In the end of step 4, which side is ensured about the identity of the other side? Why?