Hypothesis Test for the SRCC
One or Two Tailed - Solutions

For each of the following hypothesis tests, state whether it will be a one or a two tailed test

1. H_0: A and B are independent
   H_1: A and B are not independent
   ☐ One Tailed
   ☒ Two Tailed

2. H_0: There is no association between A and B
   H_1: There is a positive association between A and B
   ☒ One Tailed
   ☐ Two Tailed

3. H_0: There is no association between A and B
   H_1: There is a negative association between A and B
   ☒ One Tailed
   ☐ Two Tailed

4. H_0: There is no association between A and B
   H_1: There is an association between A and B
   ☐ One Tailed
   ☒ Two Tailed

5. A test looking for a positive association between A and B
   ☒ One Tailed ☐ Two Tailed

6. A test looking to see if A and B are independent
   ☐ One Tailed ☒ Two Tailed

7. A test looking to see is A and B are not independent
   ☐ One Tailed ☒ Two Tailed

8. A test looking for a negative association between A and B
   ☒ One Tailed ☐ Two Tailed

9. A test testing a SRCC value of +0.8827
   ☒ One Tailed ☐ Two Tailed

10. A test testing a SRCC value of -0.9041
    ☒ One Tailed ☐ Two Tailed