

# Lecture Comprehension, Configuration Space Topology (Chapter 2.3.1)

TOTAL POINTS 2

1. To deform one  $n$ -dimensional space into another topologically equivalent space, which operations are you allowed to use? Select all that apply.

1 / 1 point

☒ Stretching

✓ Correct

☐ Cutting.

☐ Gluing.

2. True or false? An  $n$ -dimensional space can be topologically equivalent to an  $m$ -dimensional space, where  $m \neq n$ .

1 / 1 point

☐ True.

☒ False.

✓ Correct

Deforming a space by stretching cannot change its dimension.