3D Shapes - Difference and Intersection

Which shapes should be subtracted to make the new form?

1)

A   B   C

2)

A   B   C

3)
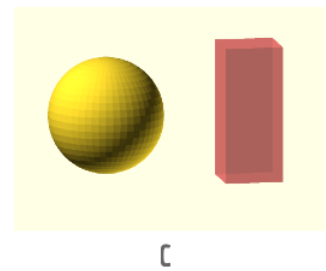
A   B   C
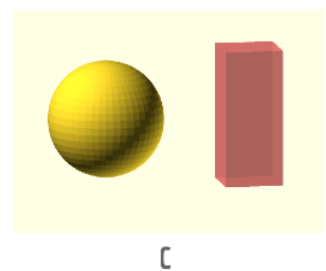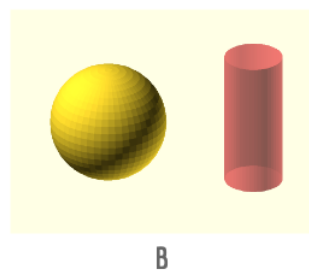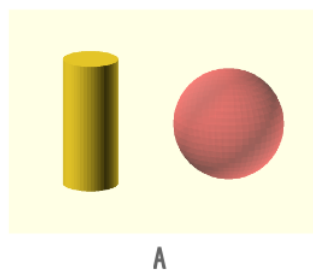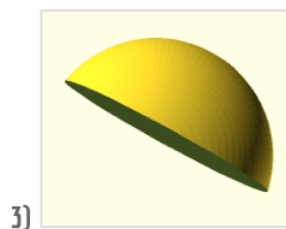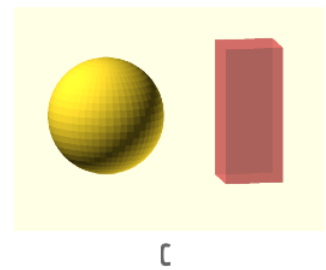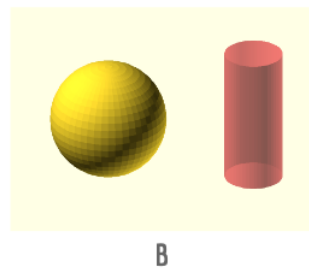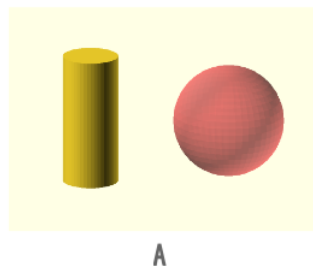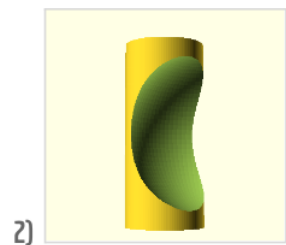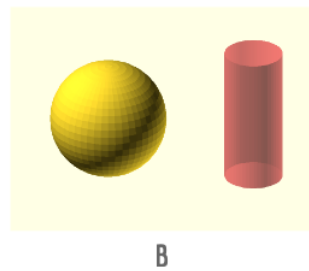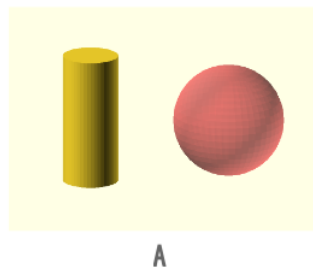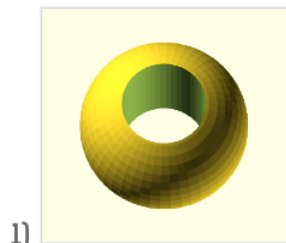
Which shapes should be intersected to make the new form?

4)

A   B   C

5)

A   B   C