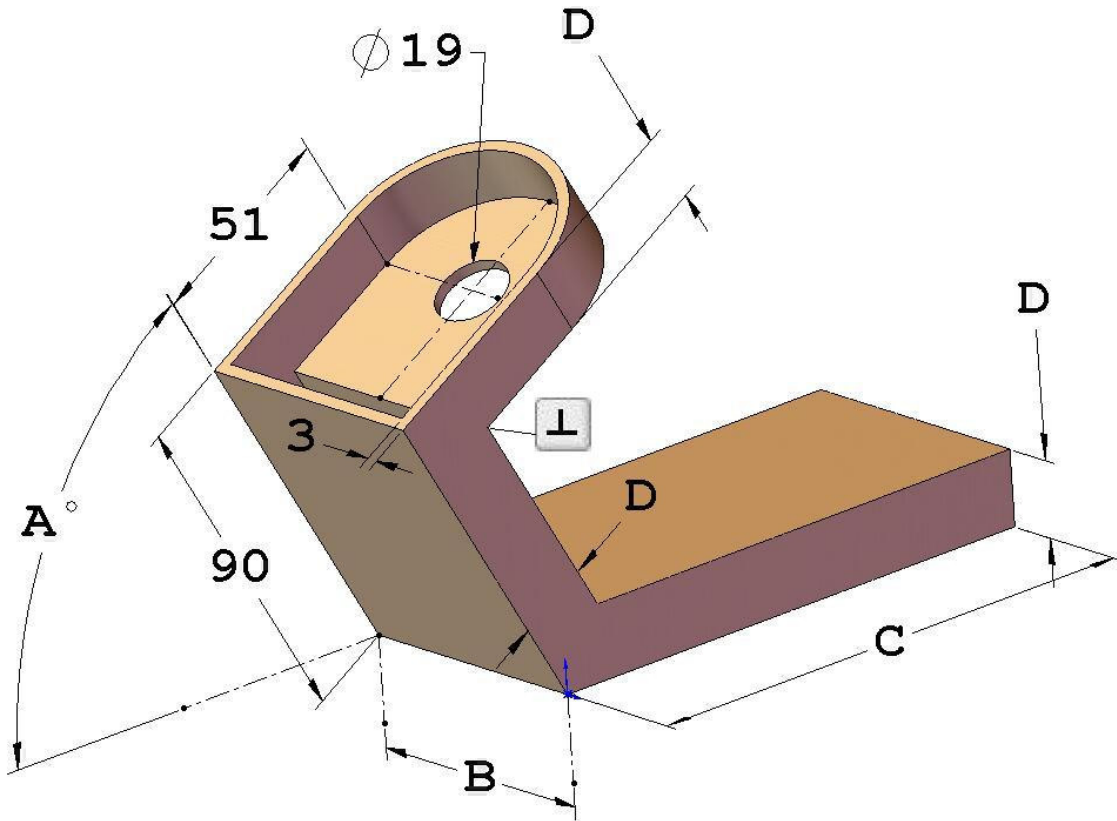


# SolidWorks Corporation: CSWP Sample Exam

## Certified SolidWorks Professional: Solid Modeling Specialist (CSWP/CORE)

### SAMPLE EXAM – Part Modeling Portion

These questions are similar to the Parametric Part Modeling portion of the CSWP exam.



Design this part in SolidWorks.

Unit system: MMGS (millimeter, gram, second)

Decimal places: 2

Part origin: Arbitrary

Part material: Brass

Material Density: 0.0085 g/mm<sup>3</sup>

Design note: the part is shelled throughout (single open face as shown)

#### Question 1:

A = 60      B = 64      C = 140      D = 19

What is the overall mass of the part (in grams)?

#### Question 2:

A = 50      B = 70      C = 160      D = 23

What is the overall mass of the part (in grams)?



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## ANSWERS

- 1) 1006.91 grams
- 2) 1230.82 grams
- 3) 2859.51 grams
- 4) 3218.14 grams

## ADVICE

You should be able to answer all four questions correctly within 20 to 30 minutes.

Read through every question first. This will help you save time and make correct decisions when choosing which sketch plane to use and which sketch profile is best.

Avoid sketch fillets in this particular design.