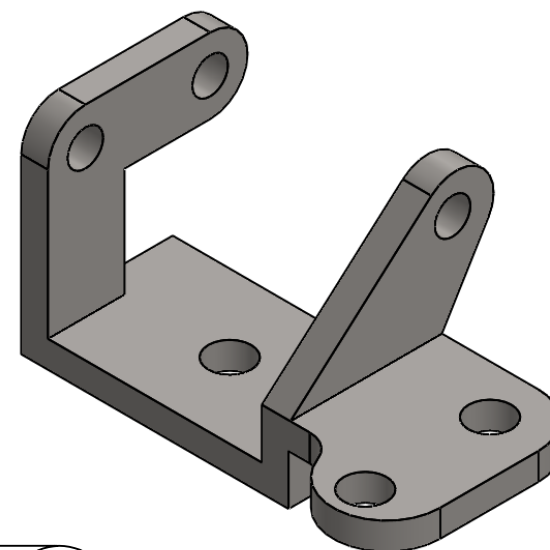
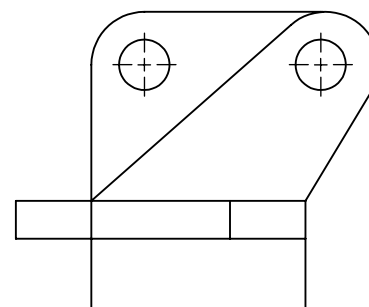
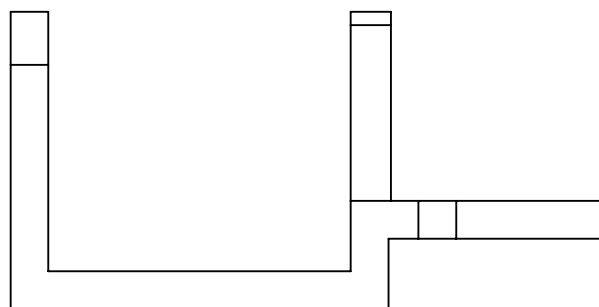
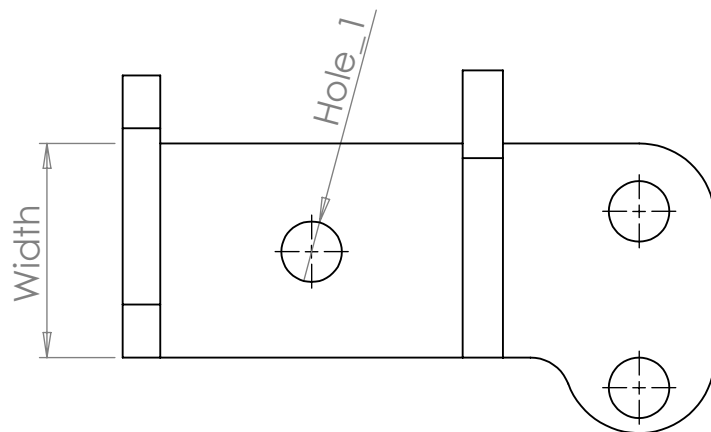


Configuration: Default



Tasks are in the next pages

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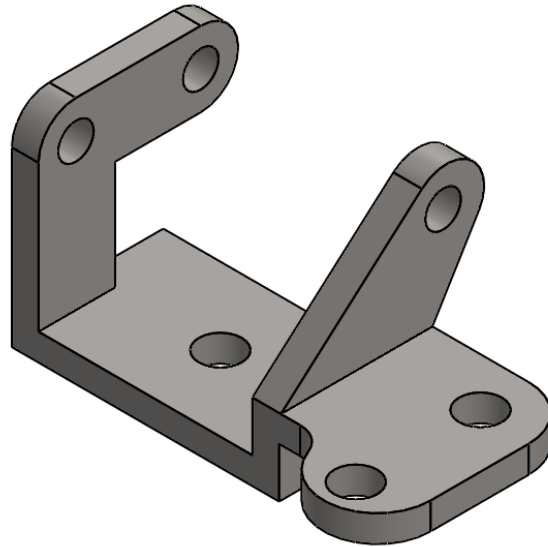
		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Ex 4.2 Measurements in mm		
		DIMENSIONS ARE IN INCHES	DRAWN					
		TOLERANCES:	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.			SIZE A	DWG. NO.	REV
		THREE PLACE DECIMAL ±	COMMENTS: "That is what is incredible about human beings, is the choice to keep going" - Jack Antonoff					
		INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL						
NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:5	WEIGHT:	SHEET 1 OF 4

2

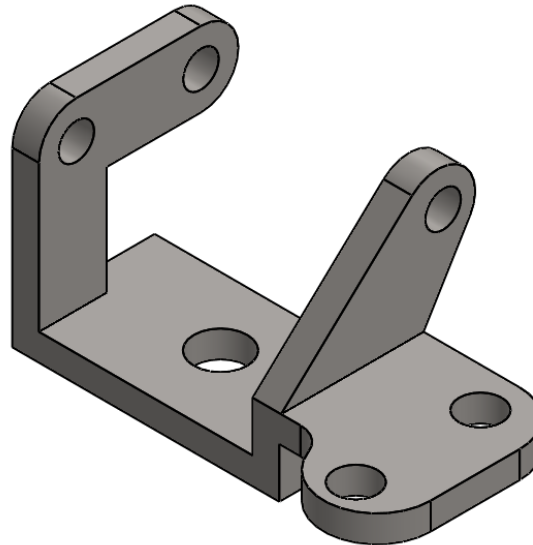
1

Task: Create the following Design Table.

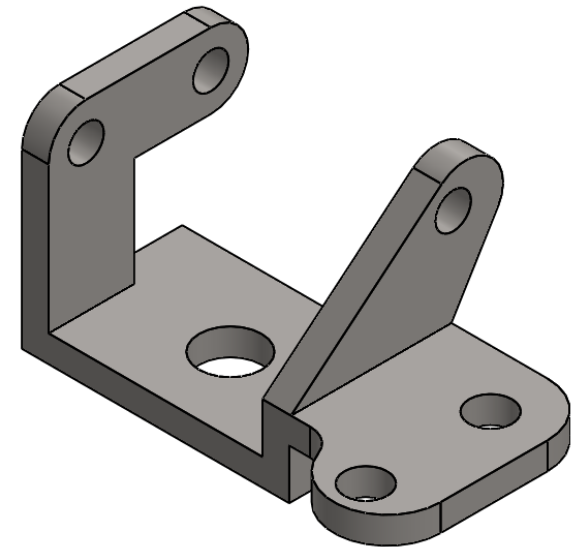
	Width	Hole_1
Default	85	24
A	80	30
B	90	35



Configuration: Default



Configuration: A



Configuration: B

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Ex 4.2			
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN						
			CHECKED						
			ENG APPR.						
			MFG APPR.						
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			SIZE A			
		MATERIAL	COMMENTS:						
		FINISH							
NEXT ASSY	USED ON								
APPLICATION		DO NOT SCALE DRAWING				SCALE: 1:5		WEIGHT:	SHEET 2 OF 4

2

1

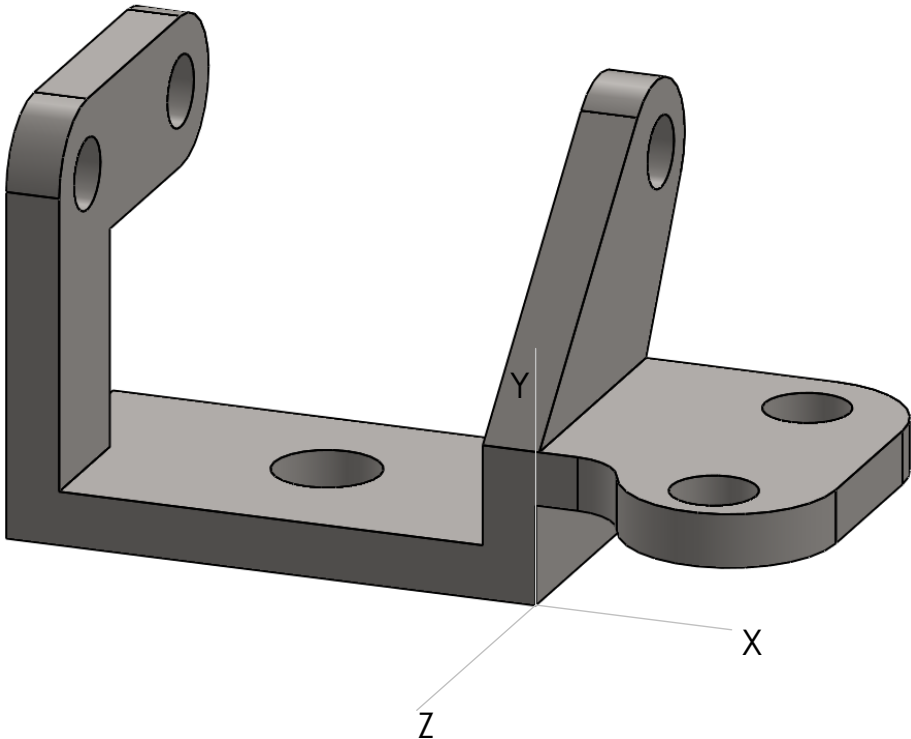
2

1

Task: Find the Center of Mass in relation to the shown coordinate system in mm.

B

B



Configuration A

Answer (mm):
X = -46.98
Y = 38.27
Z = -41.28

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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: Ex 4.2		
		DIMENSIONS ARE IN INCHES	DRAWN					
		TOLERANCES:	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.			SIZE	DWG. NO.	REV
		THREE PLACE DECIMAL ±	COMMENTS:			A		
		INTERPRET GEOMETRIC TOLERANCING PER:				SCALE: 1:5	WEIGHT:	SHEET 3 OF 4
		MATERIAL						
NEXT ASSY	USED ON	FINISH						
APPLICATION		DO NOT SCALE DRAWING						

A

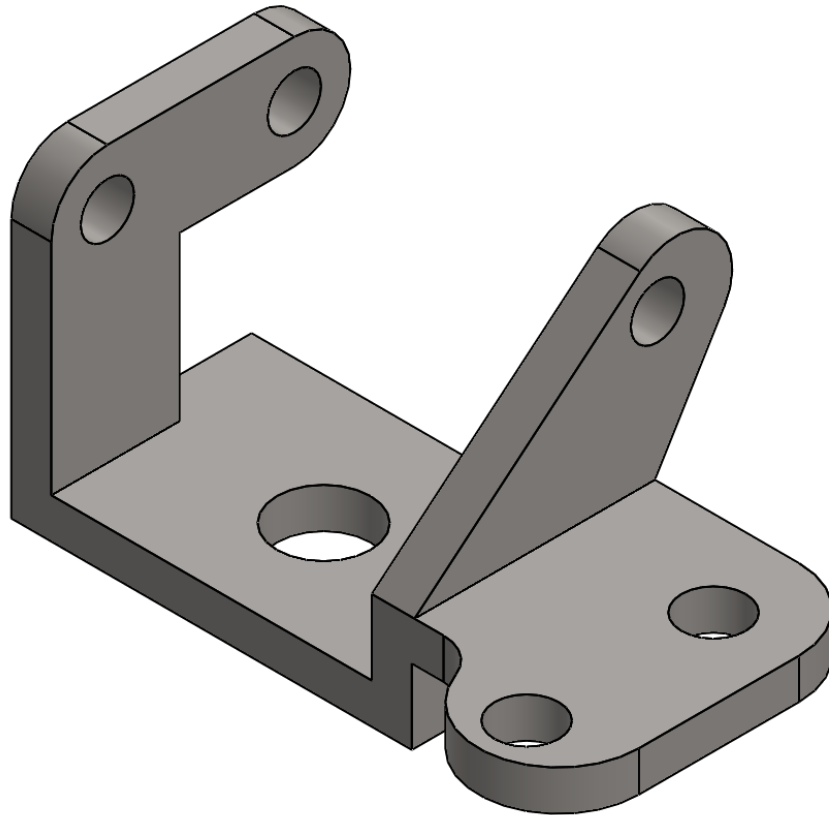
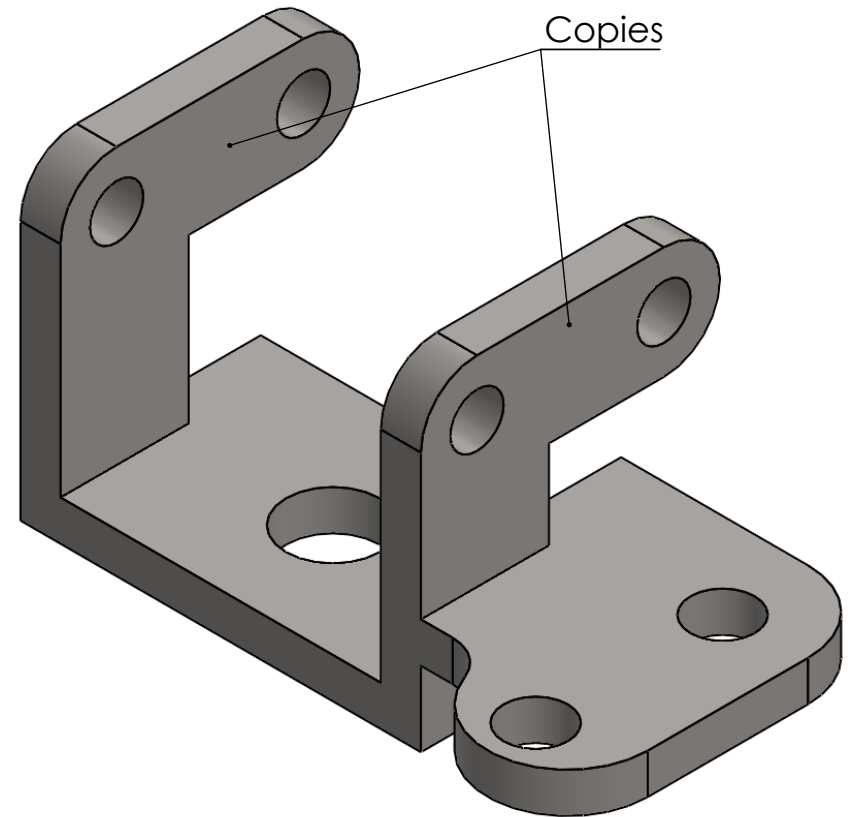
A

2

1

Tasks:

- Create Configuration B_2 out of Configuration B.
- Find the Mass of B_2 in grams.

**Configuration B****Configuration B_2**

Answer:
B_2 Mass :
4217.85 grams

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		UNLESS OTHERWISE SPECIFIED:
		DIMENSIONS ARE IN INCHES
		TOLERANCES:
		FRACTIONAL \pm
		ANGULAR: MACH \pm BEND \pm
		TWO PLACE DECIMAL \pm
		THREE PLACE DECIMAL \pm
		INTERPRET GEOMETRIC TOLERANCING PER:
		MATERIAL
		FINISH
NEXT ASSY	USED ON	
APPLICATION		DO NOT SCALE DRAWING

	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

Hint: Use
Features Mirror

TITLE:

Ex 4.2

SIZE	DWG. NO.	REV
A		
SCALE: 1:5	WEIGHT:	SHEET 4 OF 4