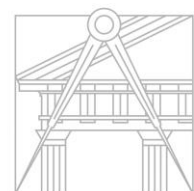


Modelação Geométrica e Generativa



UNIVERSIDADE
DE LISBOA



FACULDADE DE ARQUITETURA
UNIVERSIDADE DE LISBOA

Mestrado Integrado em Arquitectura
Ano Lectivo 2022-2023 1º Semestre
Docente - Nuno Alão 4º Ano

2021 1462



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MGeG

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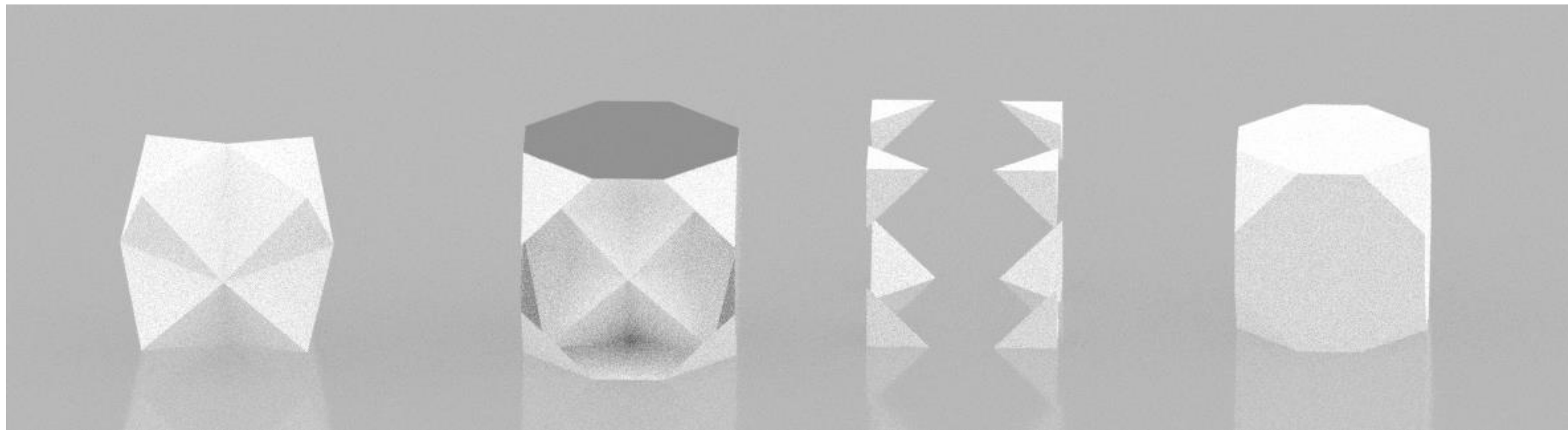
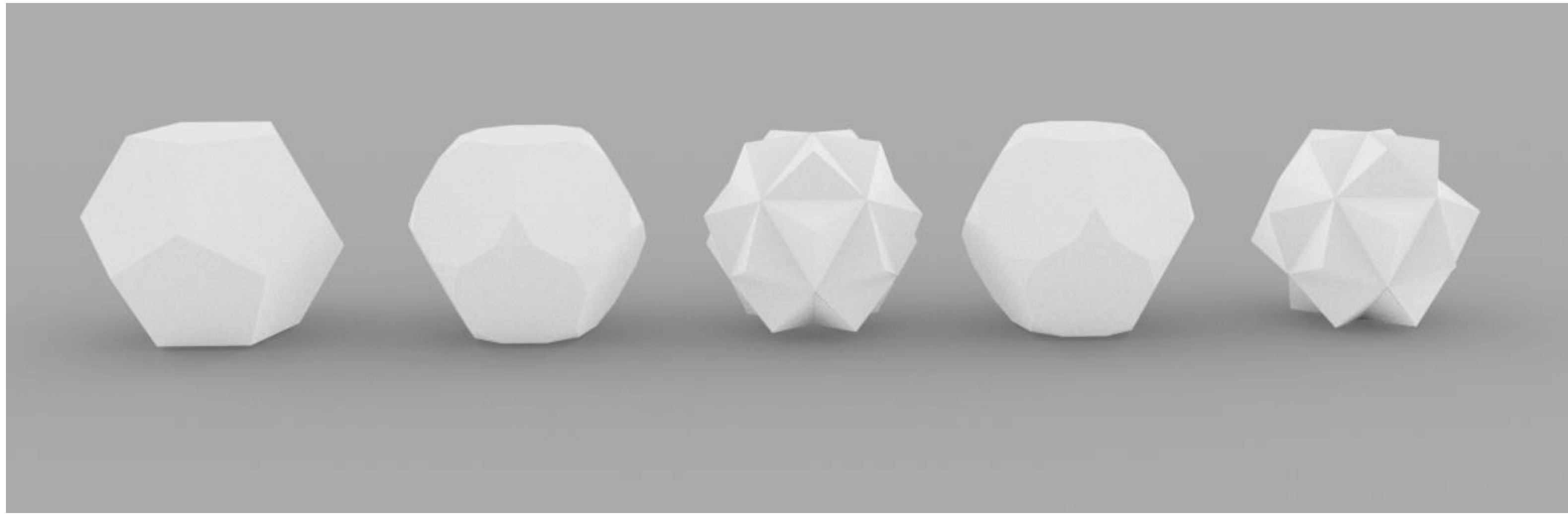
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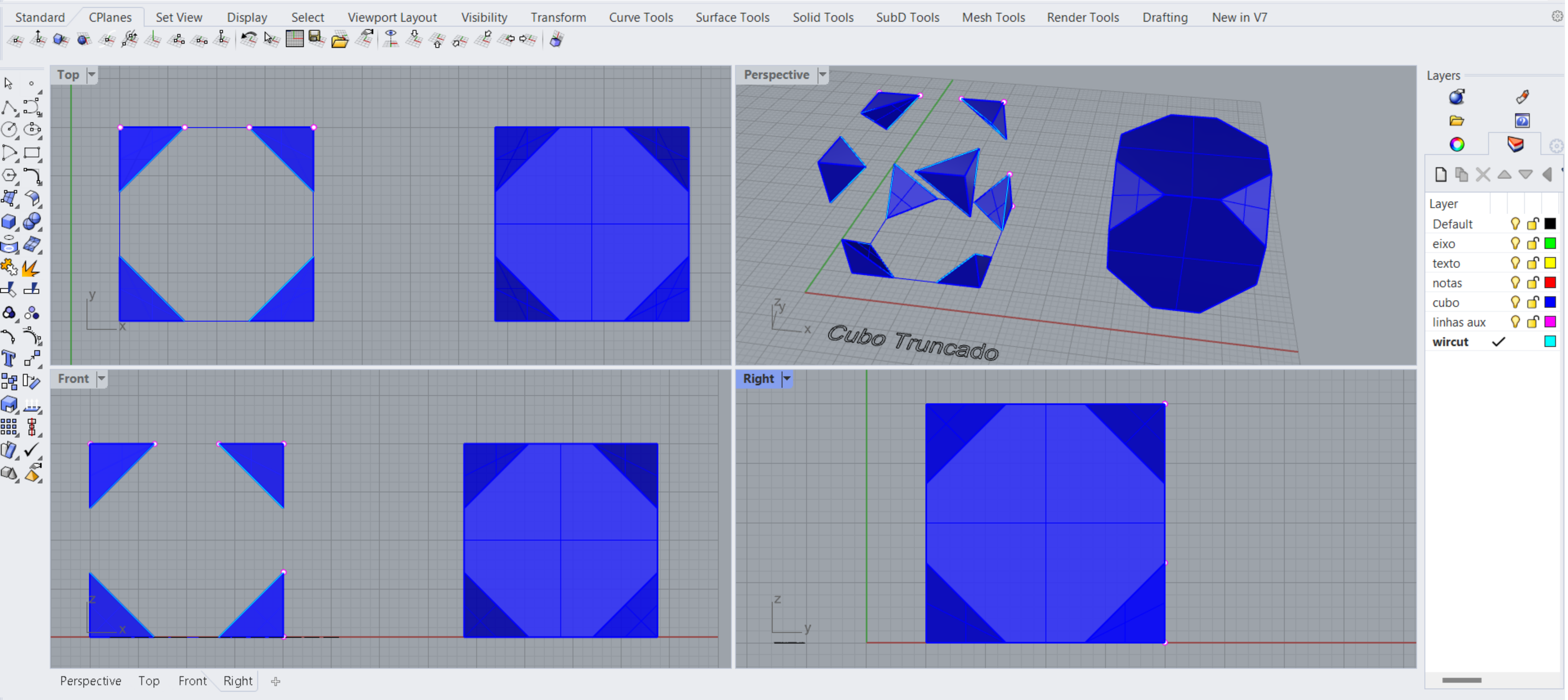
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Exercícios 2 – POLIEDRO

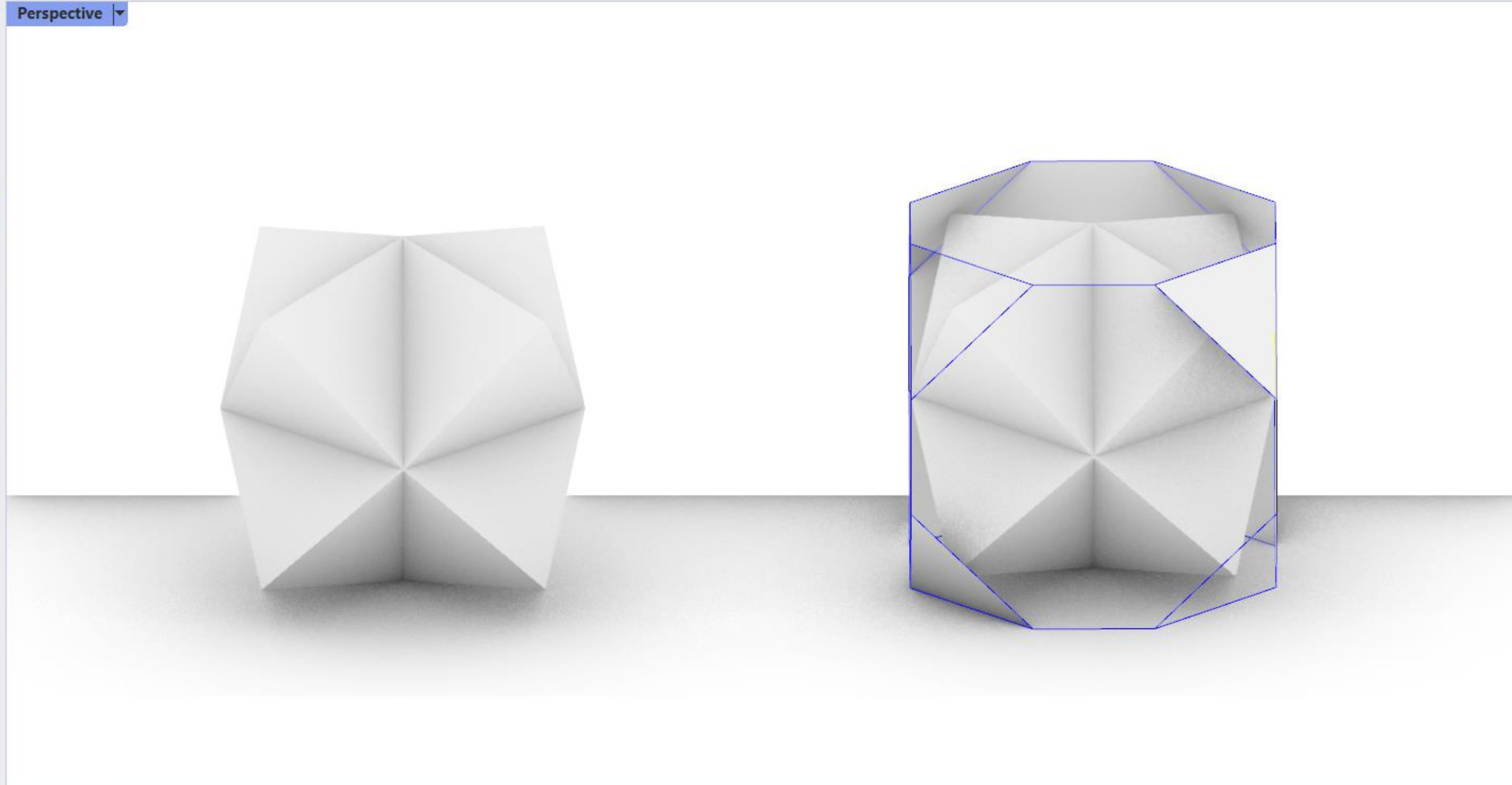


Exerc. 2.1 - CUBO

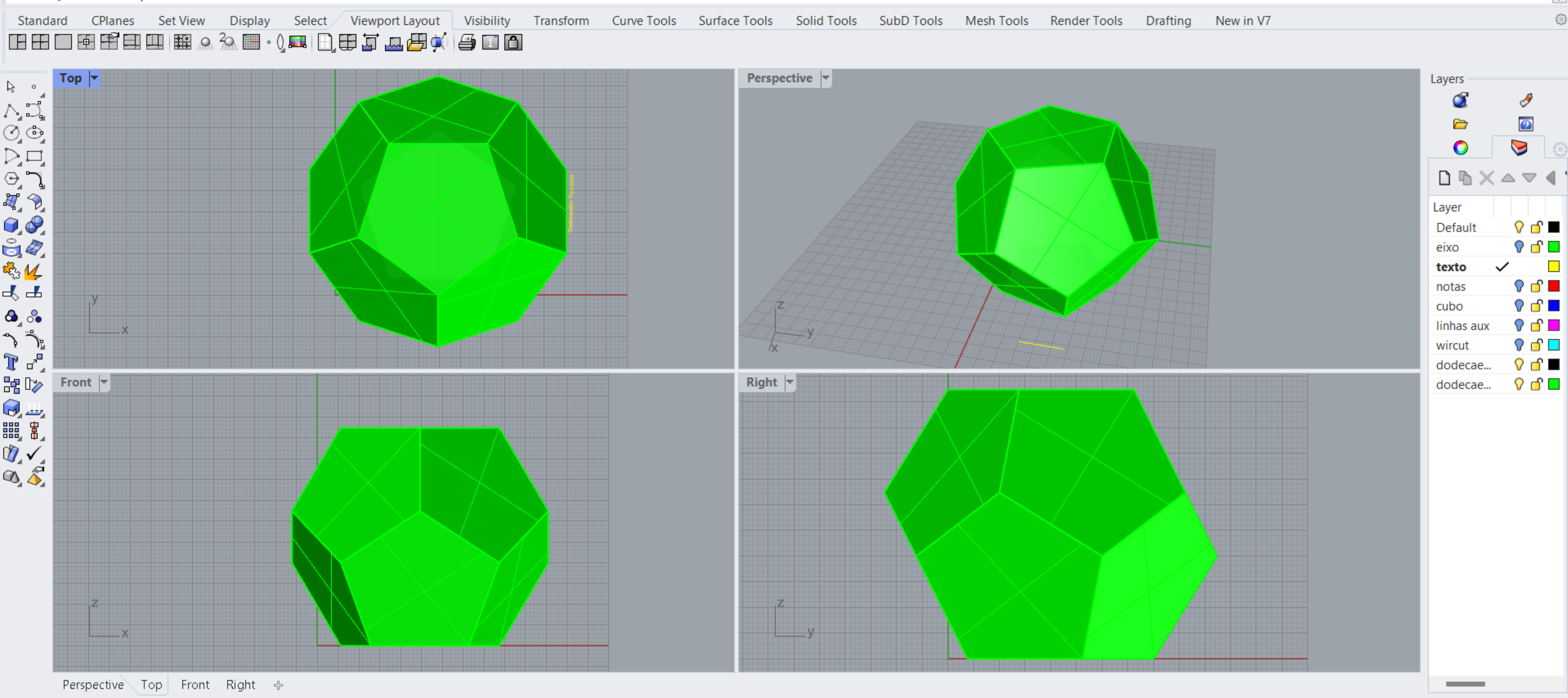
Display mode set to "Arctic".

Command: '_MPlane

Choose mobile plane option (Attach Detach Modify Refresh Show):



Exerc. 2.1 - CUBO

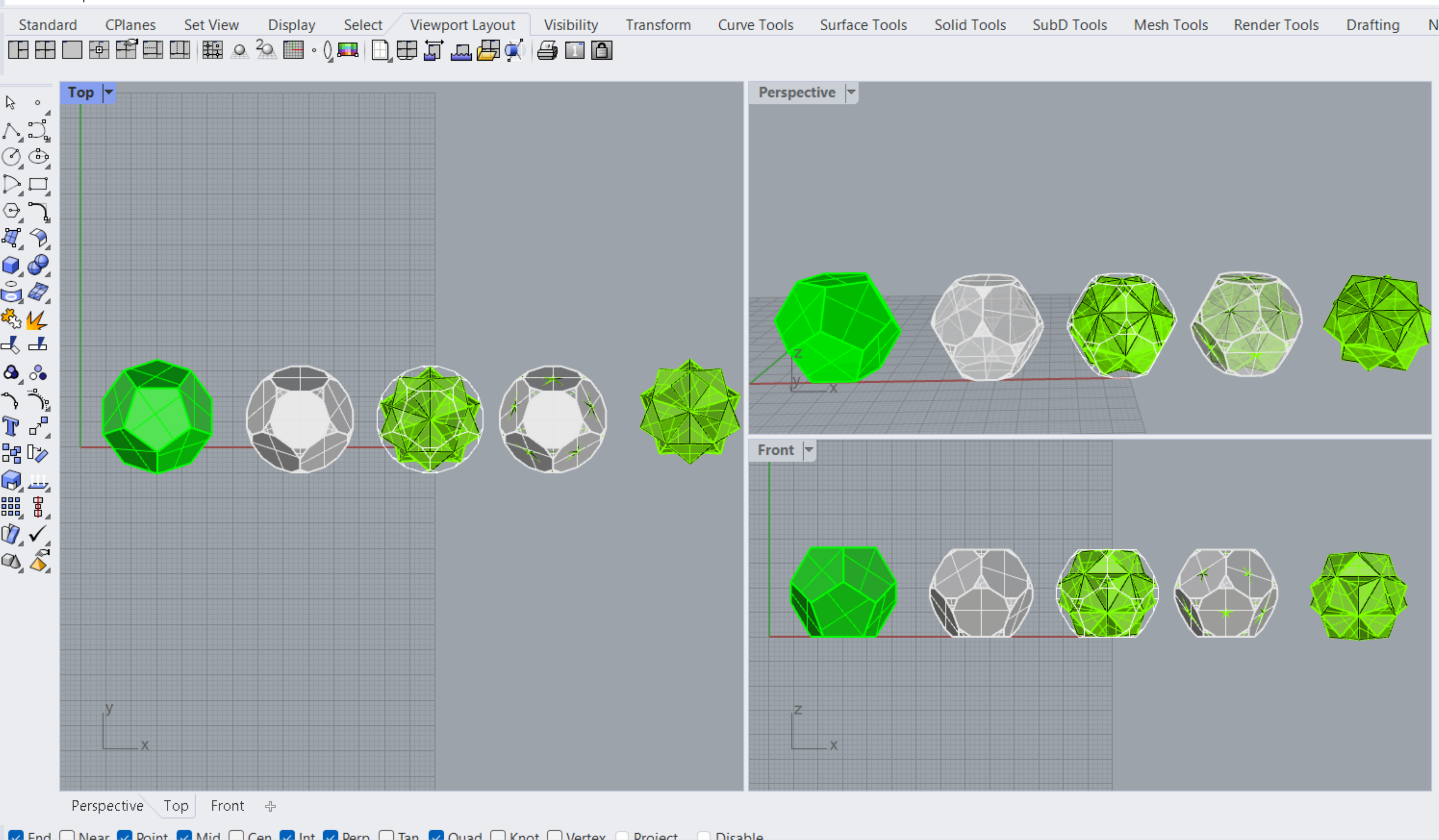


Exerc. 2.1 - POLIEDROS

Display mode set to "Shaded".

Command: _3View

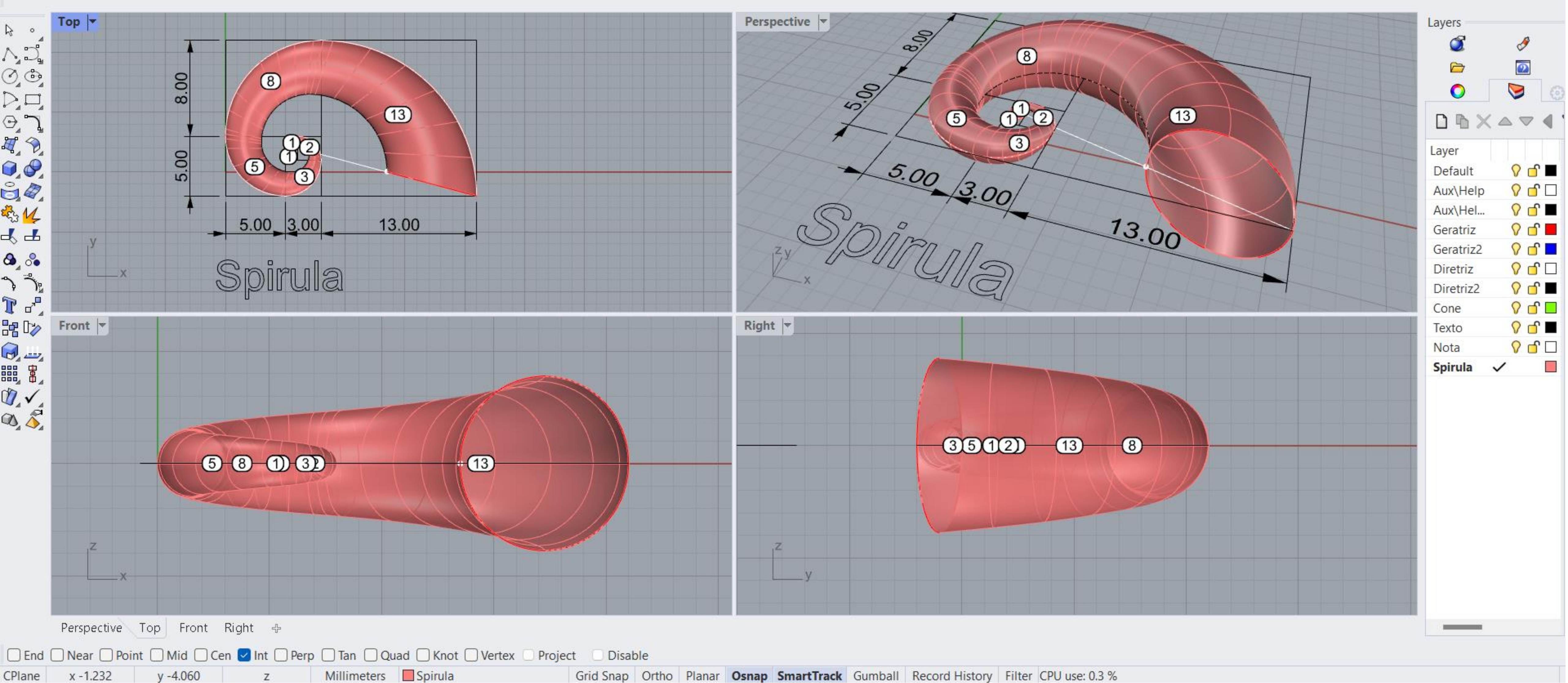
Command:



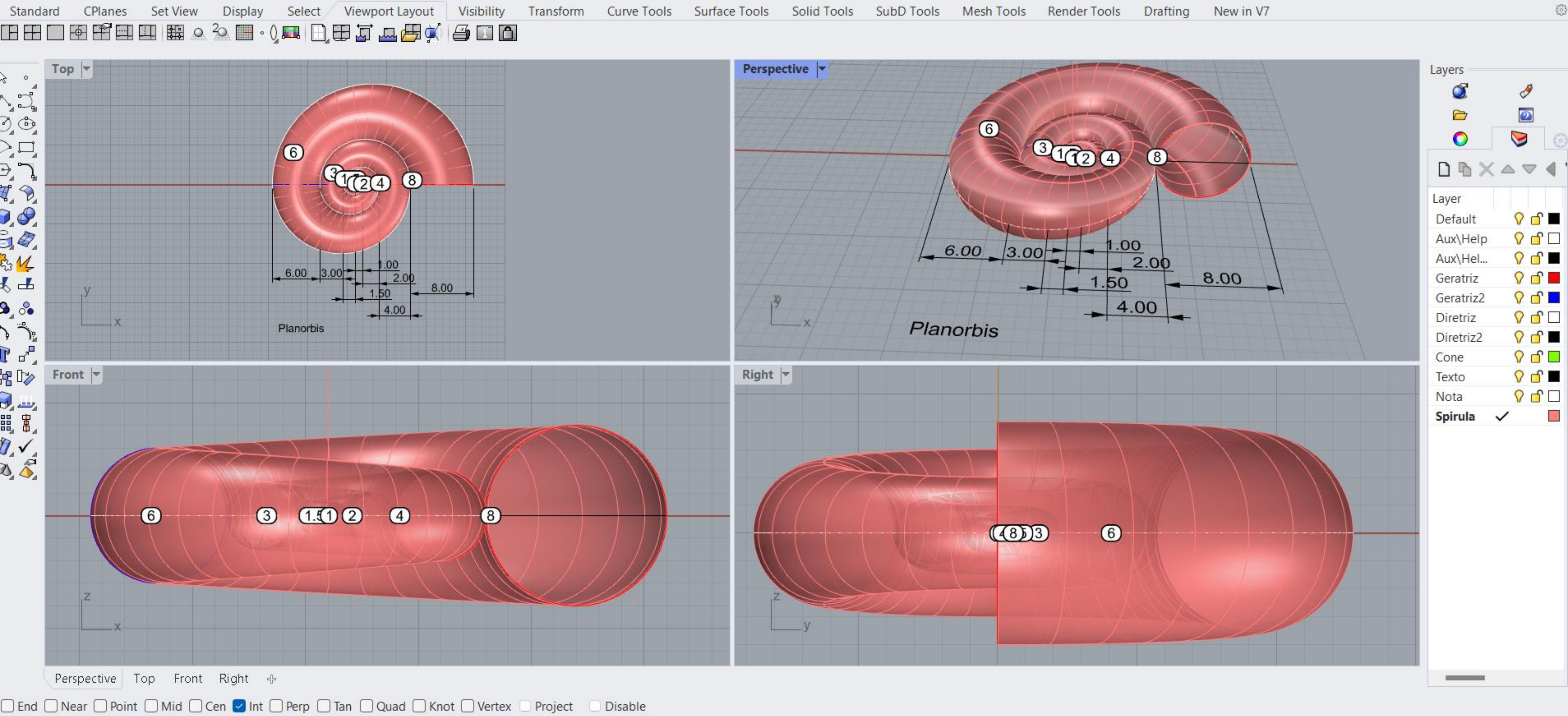
Exerc. 2.1 - POLIEDROS



Exercícios 3 - CONCHAS



Exerc. 3.1 - Spirula

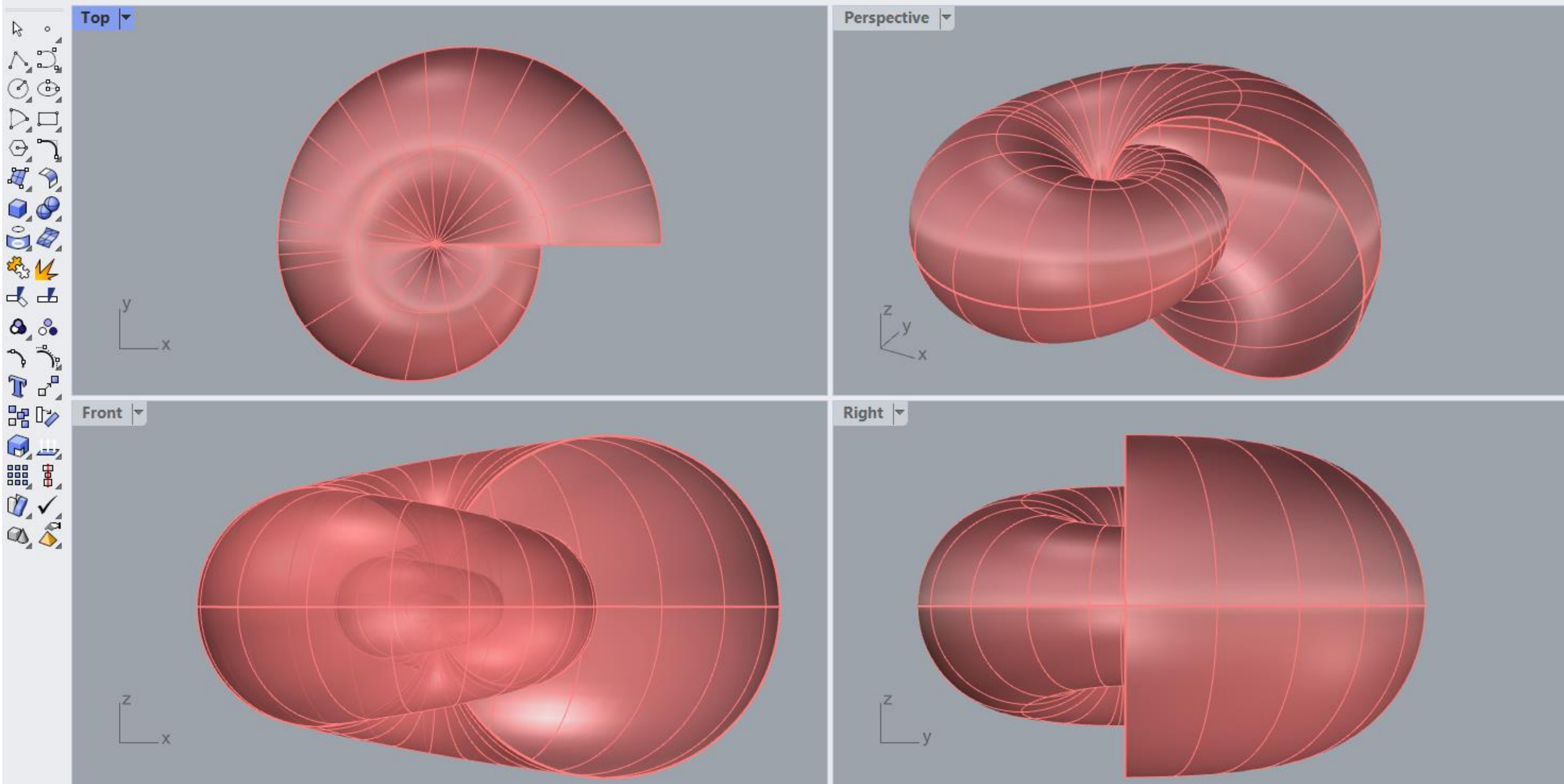


Exerc. 3.2 - Planorbis

Display mode set to "Shaded".

1 open surface added to selection.

Command:



Layers

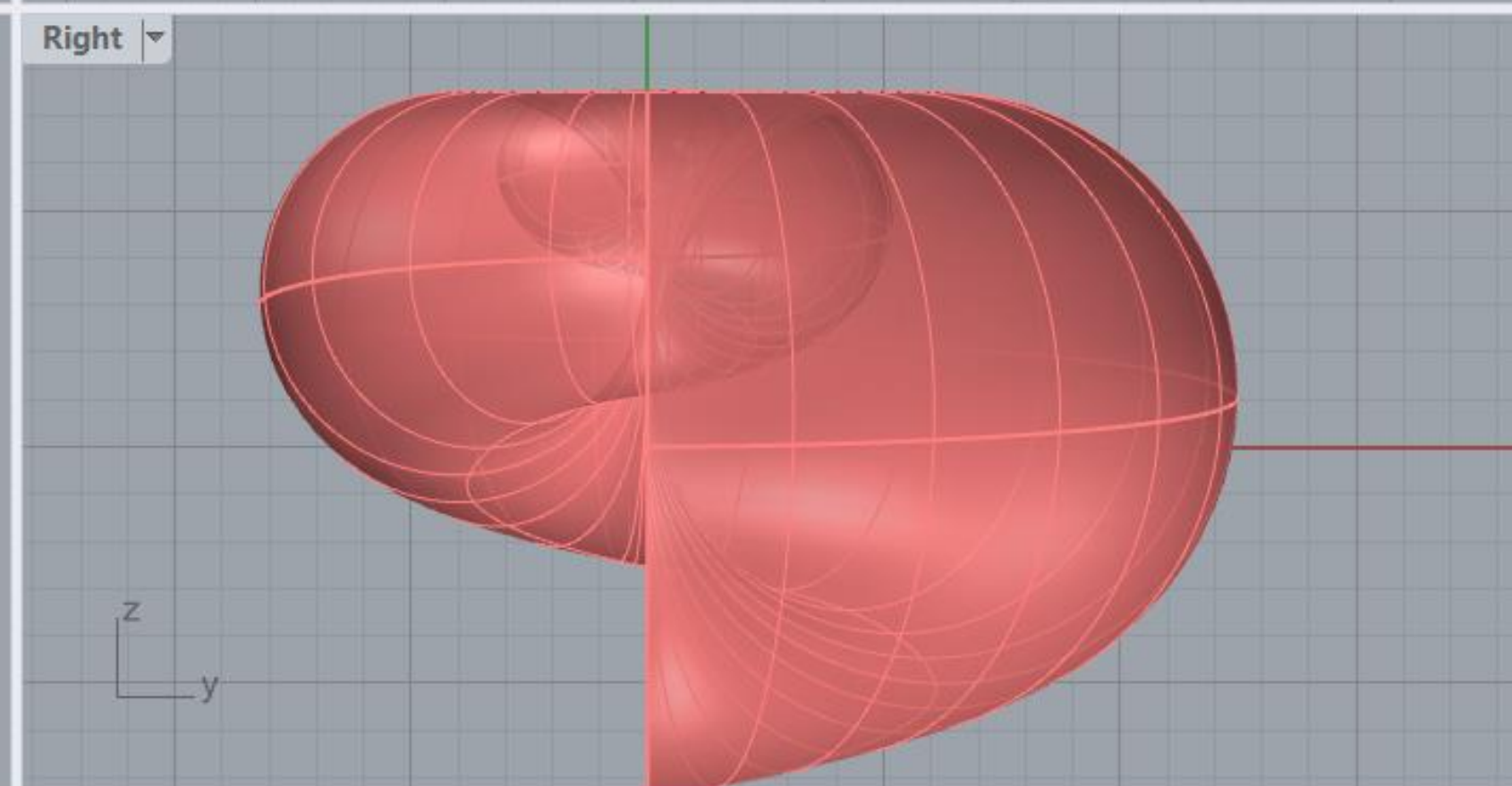
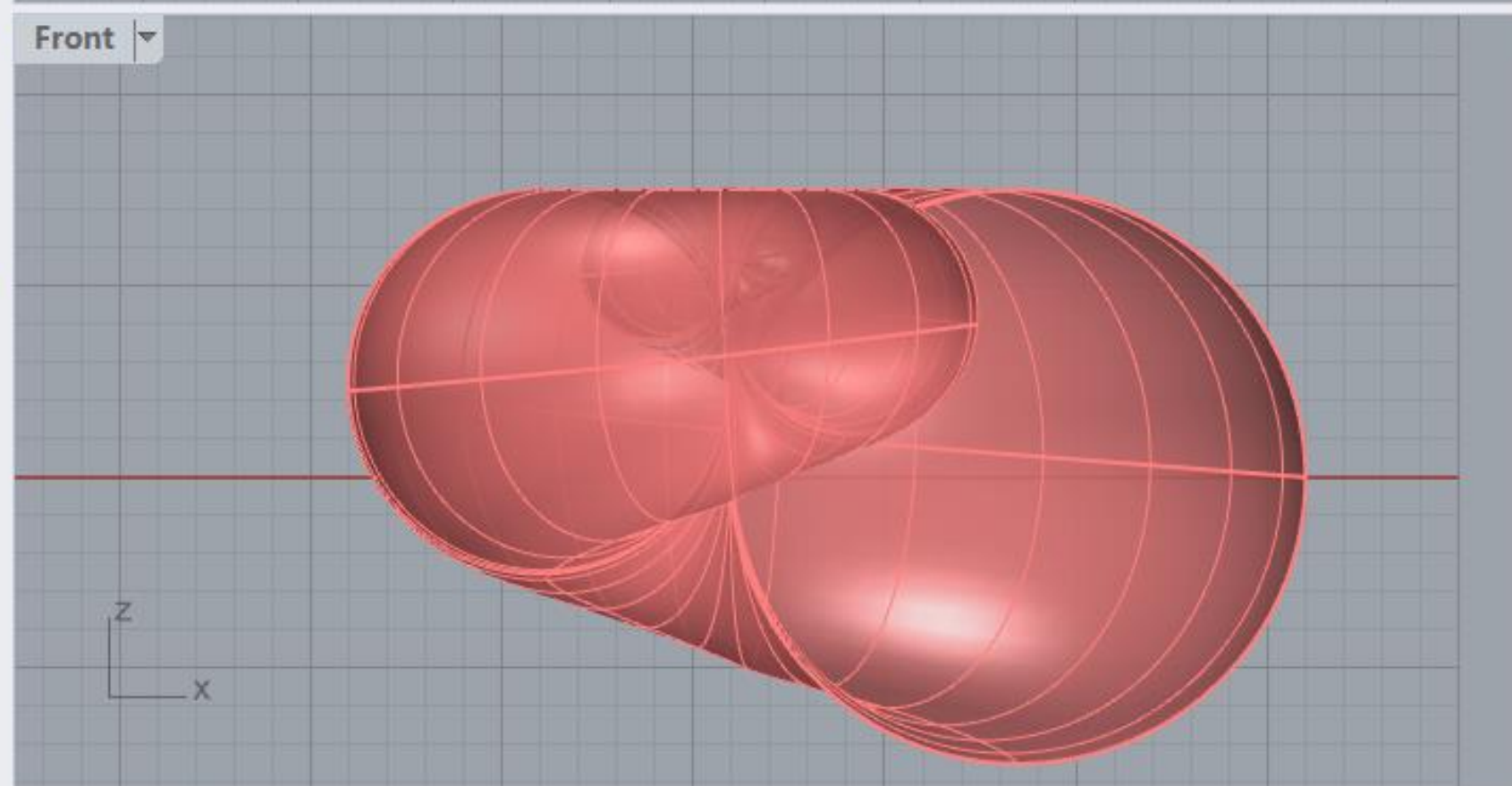
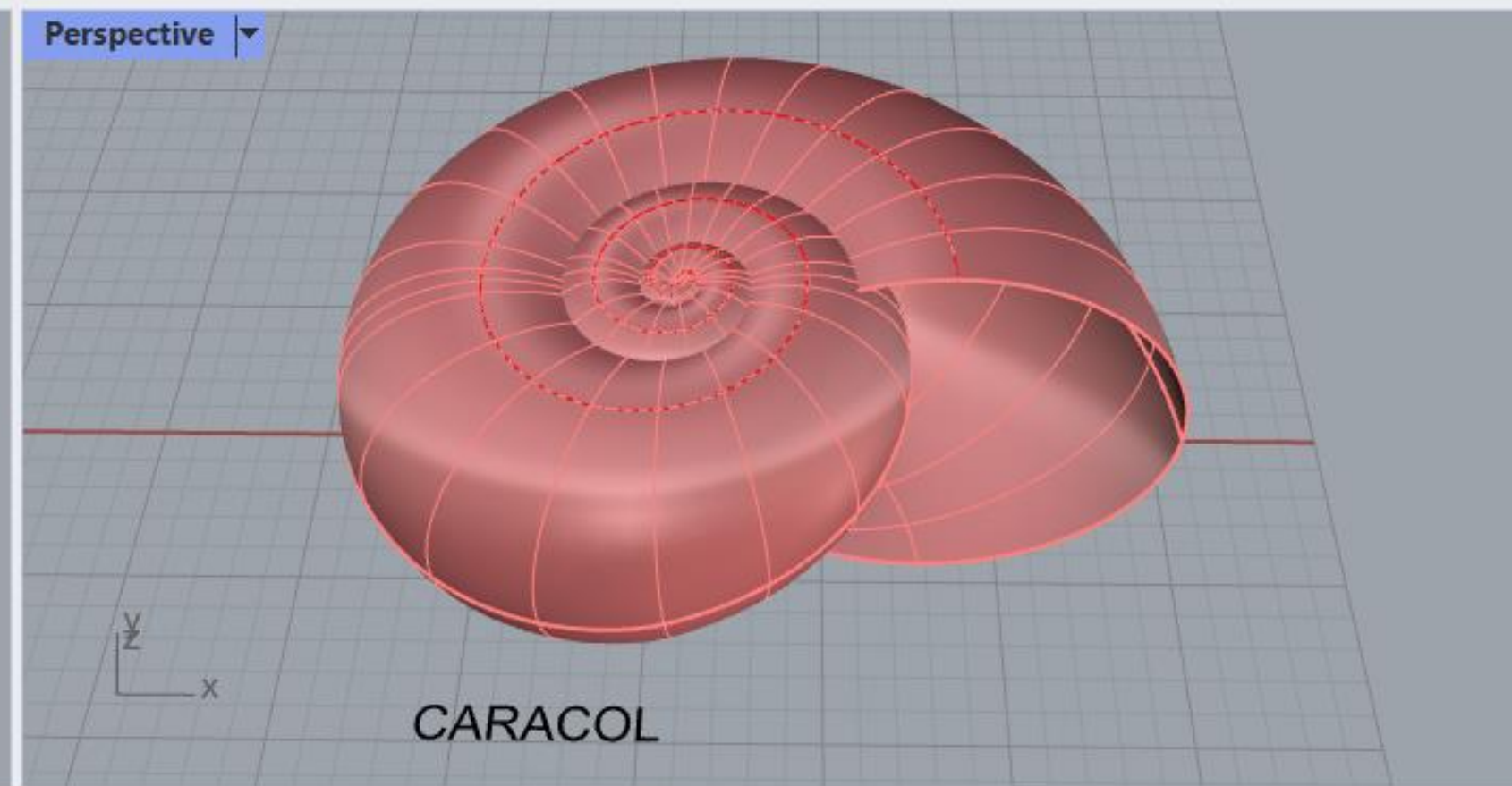
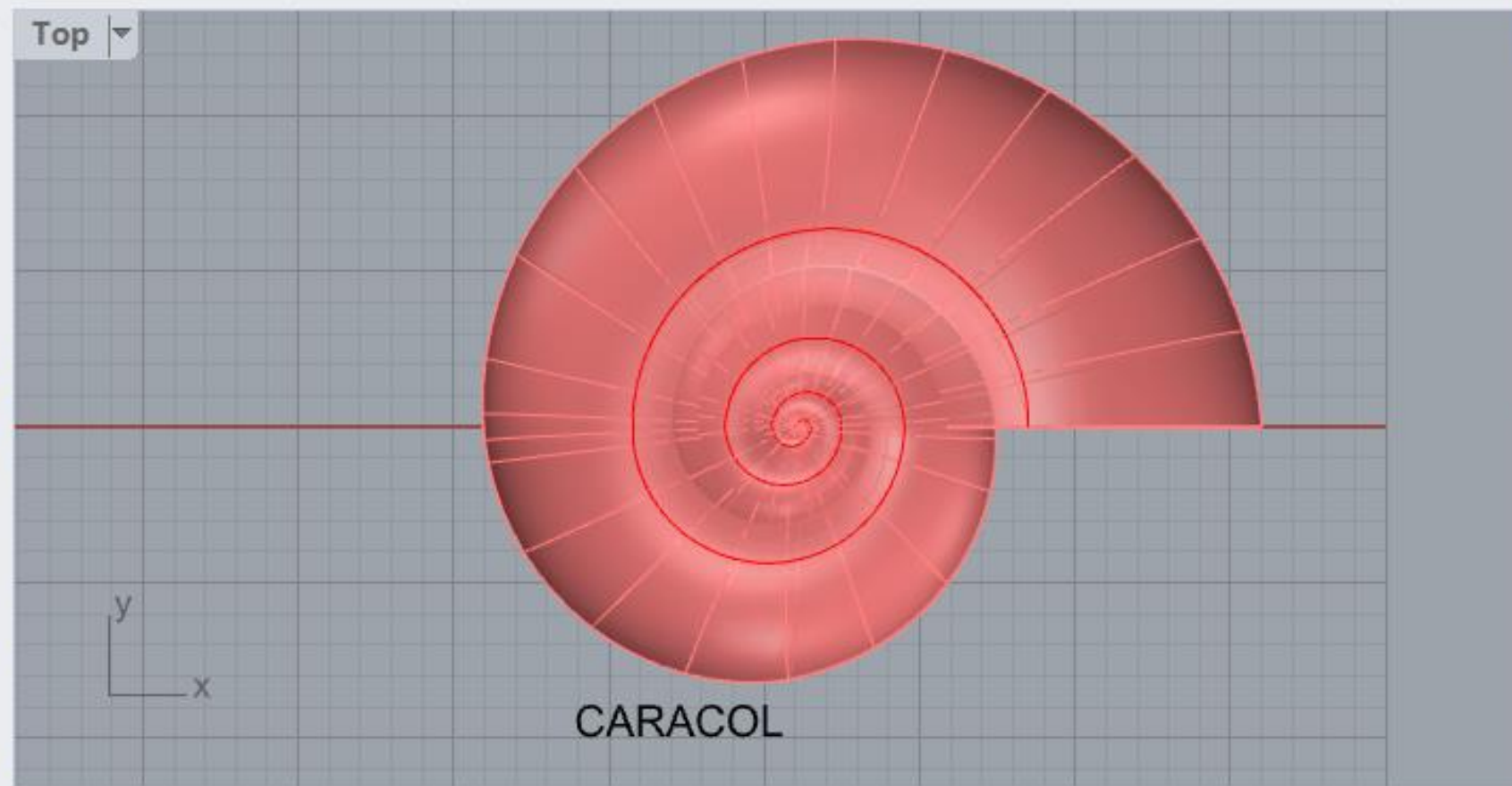
Layer	Material	Linetype	Print Wic
Default	■	Continuo...	◆ Default
Aux\Help	□	Continuo...	◇ Default
Aux\He...	■	Continu...	◆ Default
Geratriz	■	Continuo...	◆ Default
Geratriz2	■	Continuo...	◆ Default
Diretriz	□	Continuo...	◇ Default
Diretriz2	■	Continuo...	◆ Default
Cone	■	Continuo...	◆ Default
Texto	■	Continuo...	◆ Default
Nota	□	Continuo...	◇ Default
Nautilus	■	Continuo...	◆ Default
Spirula	■	Continuo...	◆ Default

End Near Point Mid Cen Int Perp Tan Quad Knot Vertex Project Disable

23923.776 z Millimeters Aux\Help2 Grid Snap Ortho Planar Osnap SmartTrack Gumball Record History Filter Available physical memory: 2249 MB

Exerc. 3.3 - Nautilus

1 text added to selection.
 Command: '_CopyToClipboard'
 Command:



Properties: View properties

Viewport

Title	Perspective
Width	709
Height	366
Projection	Perspective
Locked	<input type="checkbox"/>

Camera

Lens Length(mm)	50.0
Rotation	0.0
X Location	53.915
Y Location	-28.042
Z Location	40.61
Distance to Target	52.912
Location	Place...

Target

X Target	53.59
Y Target	3.058
Z Target	-2.197
Location	Place...

Wallpaper

Filename	(none)
Show	<input checked="" type="checkbox"/>
Gray	<input checked="" type="checkbox"/>

Perspective Top Front Right

End Near Point Mid Cen Int Perp Tan Quad Knot Vertex Project Disable

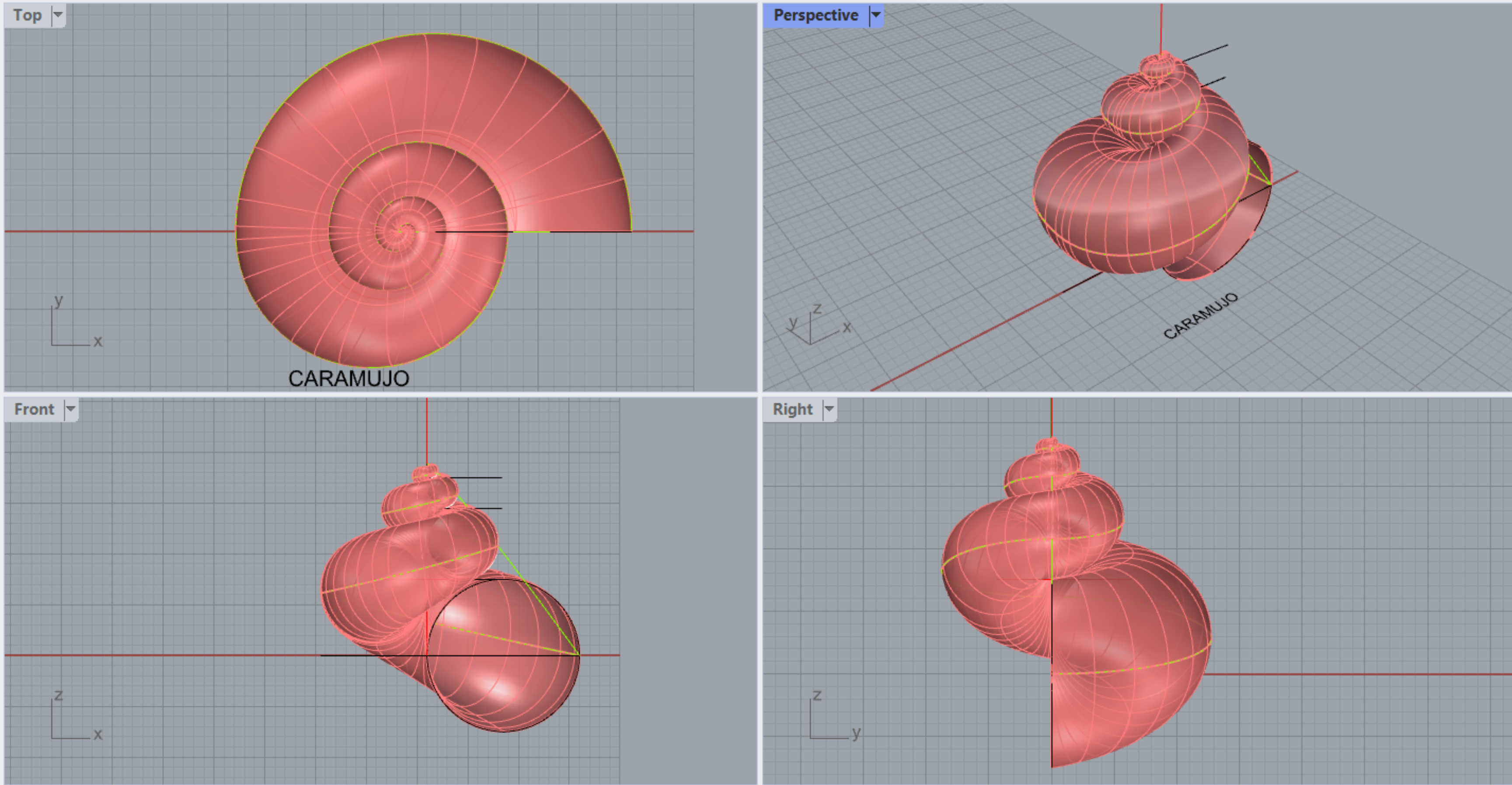
CPlane x 30.757 y 12.665 z 0.000 Millimeters Geratriz Grid Snap Ortho Planar Osnap SmartTrack Gumball Record History Filter Memory use: 500 MB

Exerc. 3.4 - Caracol

1 open surface added to selection.

Command: '_4View

Command:

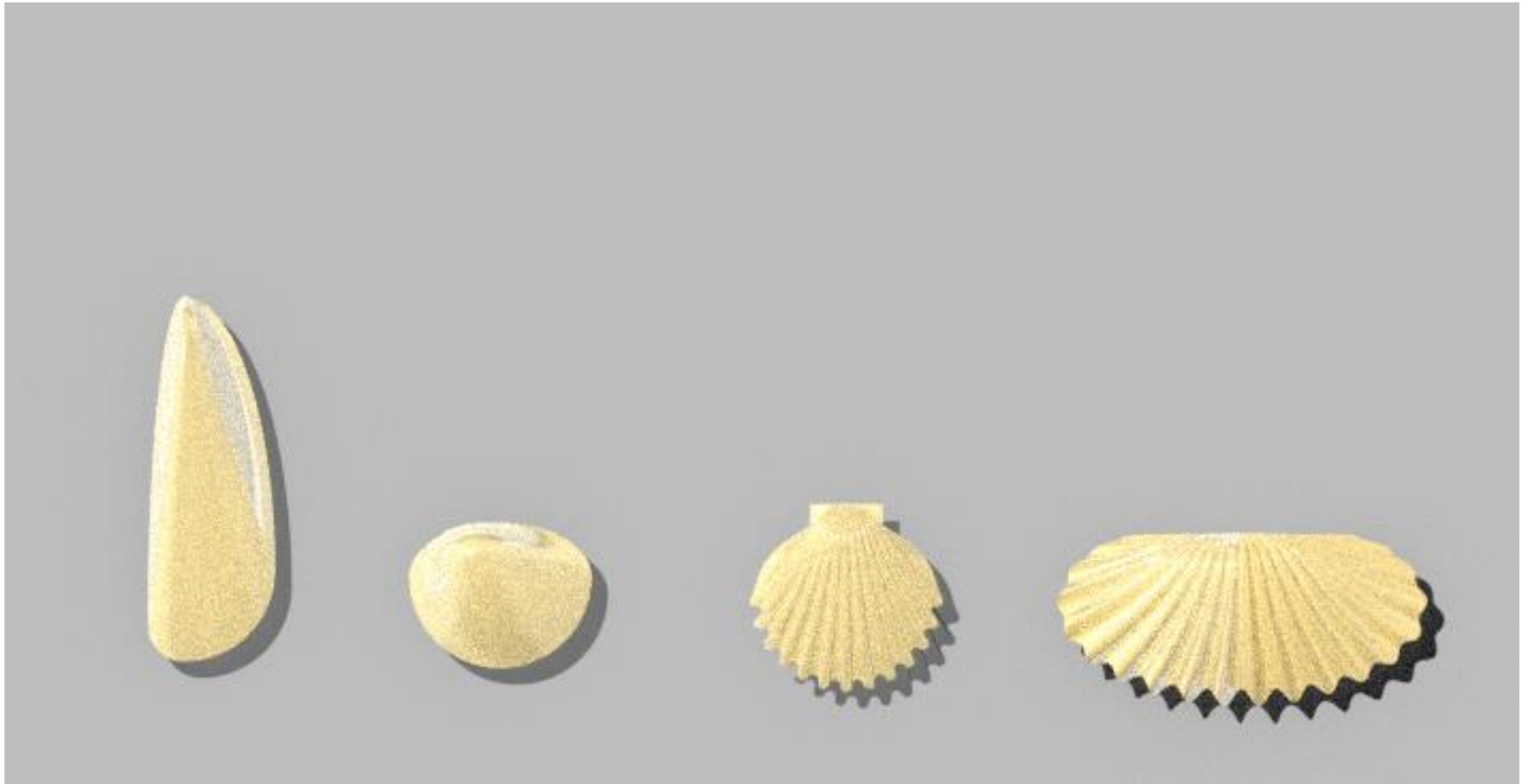


Layers

Layer	Material	Linetype	Print Wid
Default		Continuo...	◆ Default
Aux\Help		Continuo...	◇ Default
Aux\Hel...		Continuo...	◆ Default
Geratriz		Continuo...	◆ Default
Geratriz2		Continuo...	◆ Default
Diretriz		Continuo...	◇ Default
CARAM...		Continuo...	◆ Default
Diretriz2		Continuo...	◆ Default
Cone		Continu...	◆ Default
Texto		Continuo...	◆ Default
Nota		Continuo...	◇ Default

Perspective Top Front Right +
 End Near Point Mid Cen Int Perp Tan Quad Knot Vertex Project Disable

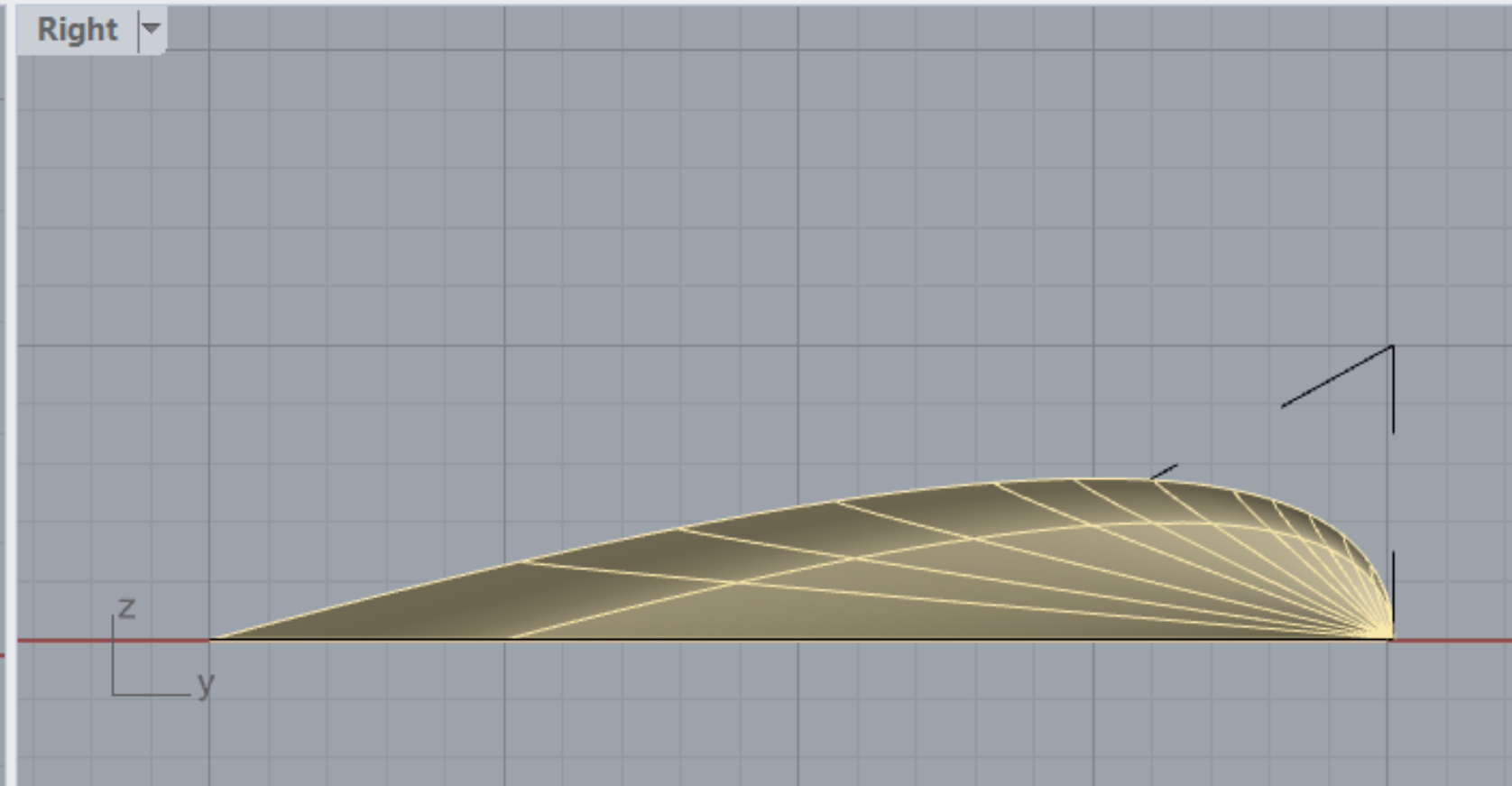
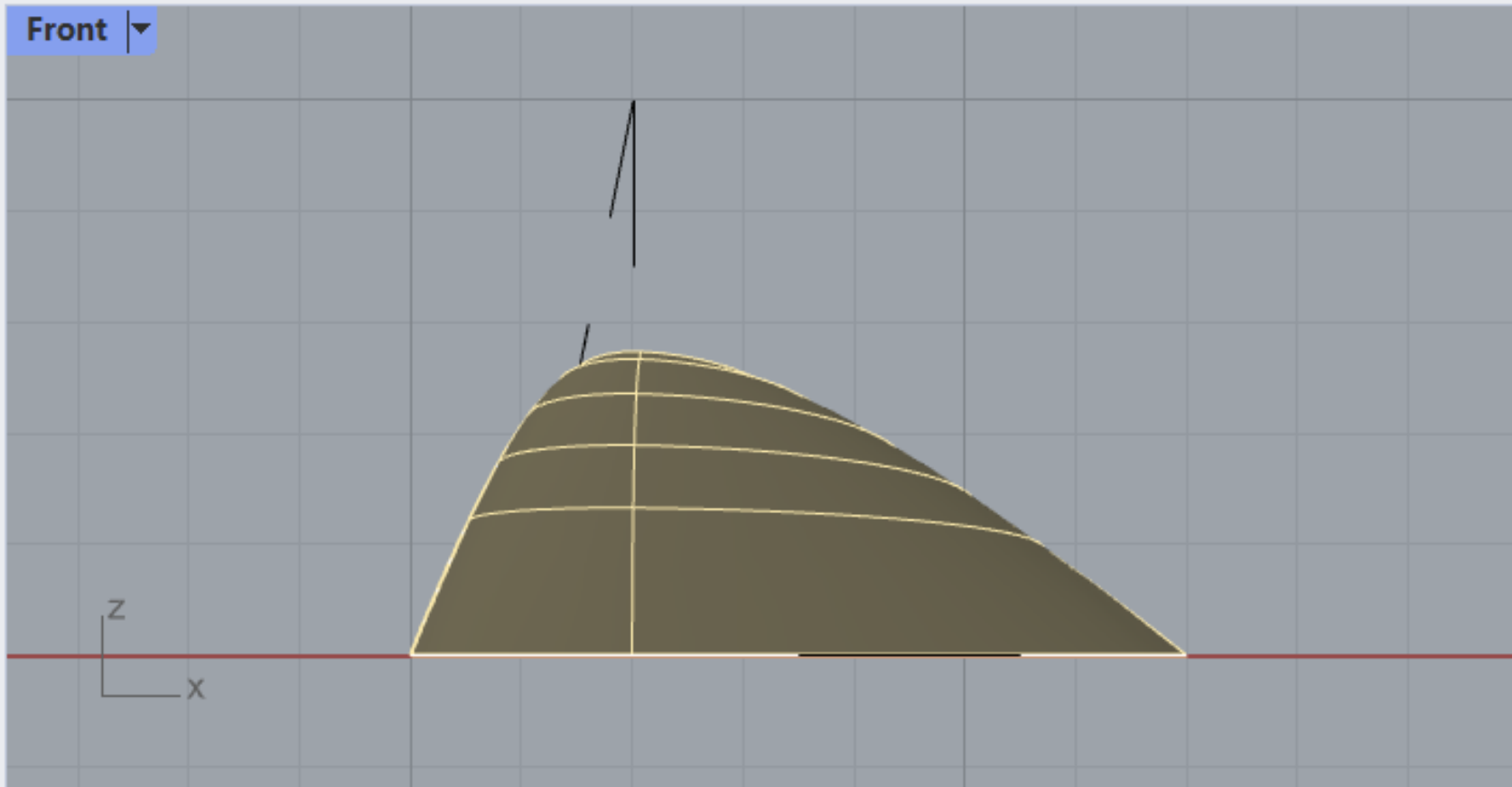
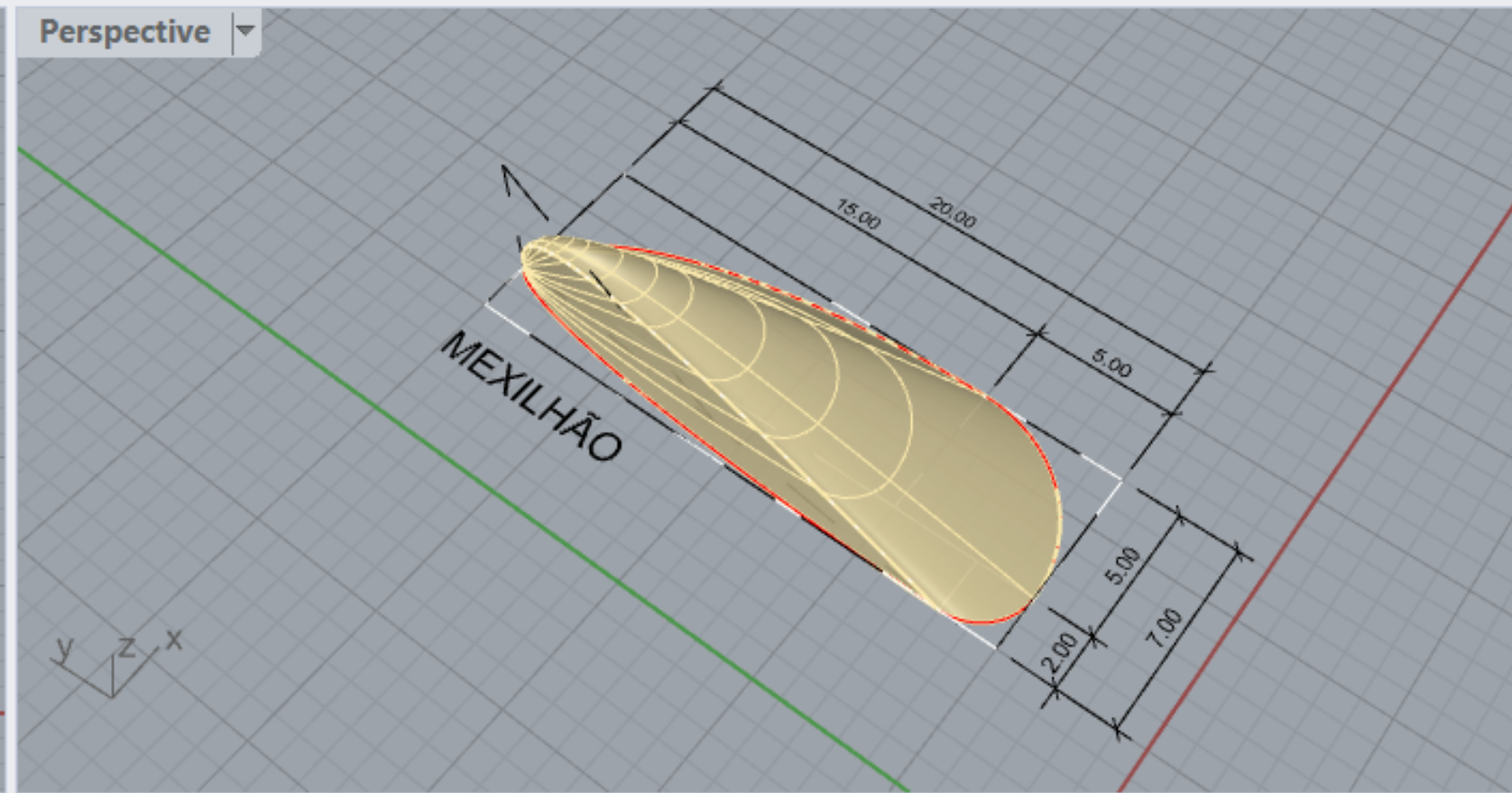
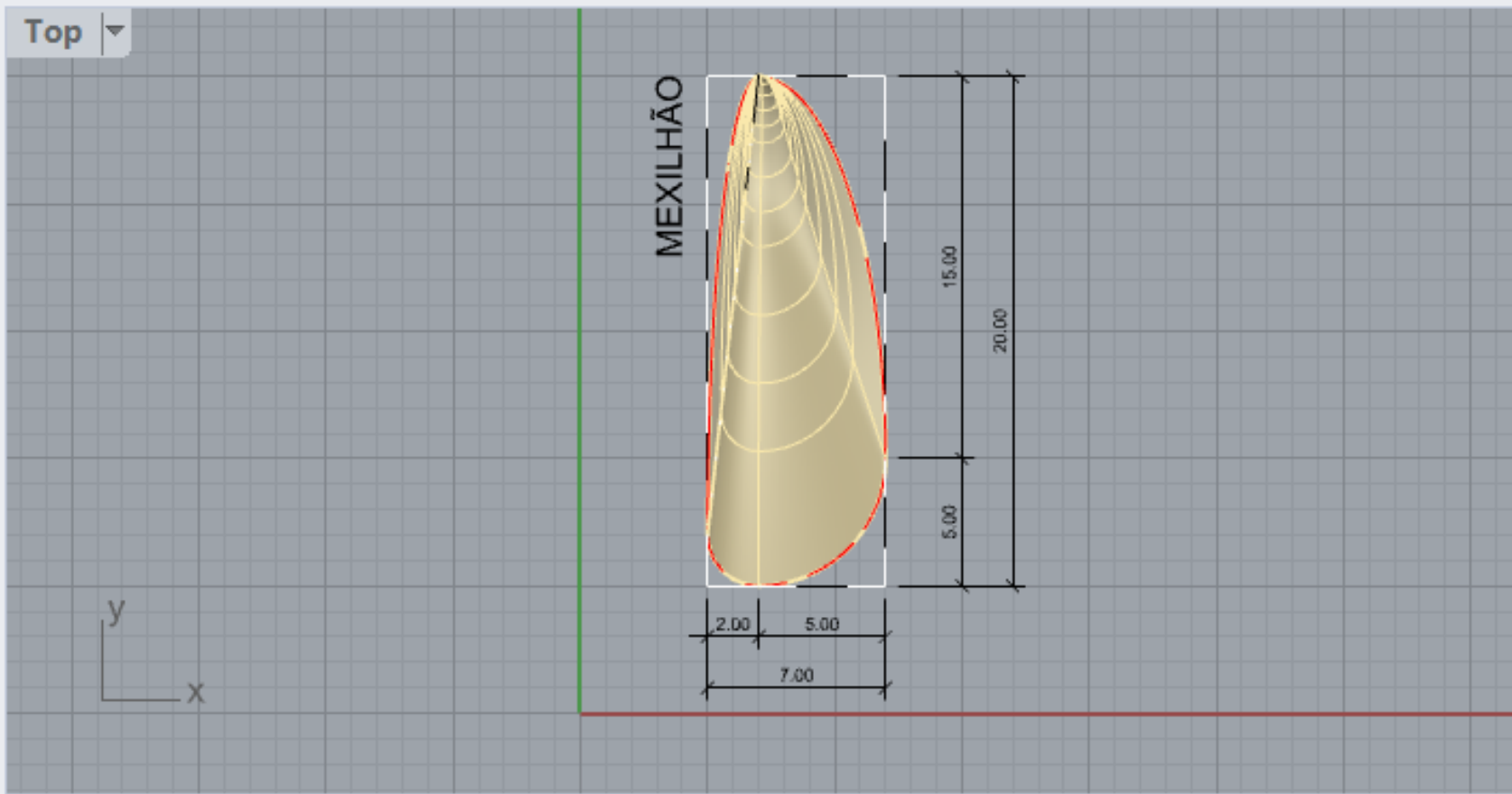
Exerc. 3.5 - Caramujo



Exercícios 5 – CONCHAS BIVALVES

Display mode set to "Shaded".
Display mode set to "Shaded".

Command:



Layers

Layer	Material	Linetype	Print Wid
Default		Continuo...	◆ Default
TEXTO	✓	Continu...	◆ Default
AUX1		Hidden	◇ Default
AUX2		Hidden	◆ Default
GERATRIZ		Continuo...	◆ Default
DIRECTR...		Continuo...	◆ Default
DIRECTR...		Continuo...	◇ Default
MEXILH...		Continuo...	◆ Default

Perspective Top Front Right +
 End Near Point Mid Cen Int Perp Tan Quad Knot Vertex Project Disable

CPlane x 6.589 y 9.901 z Millimeters ■ TEXTO Grid Snap Ortho Planar Osnap SmartTrack Gumball Record History Filter CPU use: 1.0 %

Exerc. 5.1 - Mexilhão

Display mode set to "Shaded".
 Display mode set to "Shaded".

Command:

Standard CPlanes Set View Display Select Viewport Layout Visibility Transform Curve Tools Surface Tools Solid Tools SubD Tools Mesh Tools Render Tools Drafting New in V7

Top Perspective Front Right

AMÊIJOA

AMÊIJOA

AMÊIJOA

Layer	Material	Linetype	Print Wid
Default	✓	Continuo...	◆ Default
TEXT0	■	Continuo...	◆ Default
AUX1	□	Hidden	◇ Default
AUX2	■	Hidden	◆ Default
GERATRIZ	■	Continuo...	◆ Default
DIRECTR...	■	Continuo...	◆ Default
DIRECTR...	□	Continuo...	◇ Default
AMÊIJOA	■	Continuo...	◆ Default

End Near Point Mid Cen Int Perp Tan Quad Knot Vertex Project Disable

CPlane x -0.177 y -0.257 z Millimeters ■ Default Grid Snap Ortho Planar Osnap SmartTrack Gumball Record History Filter CPU use: 0.8 %

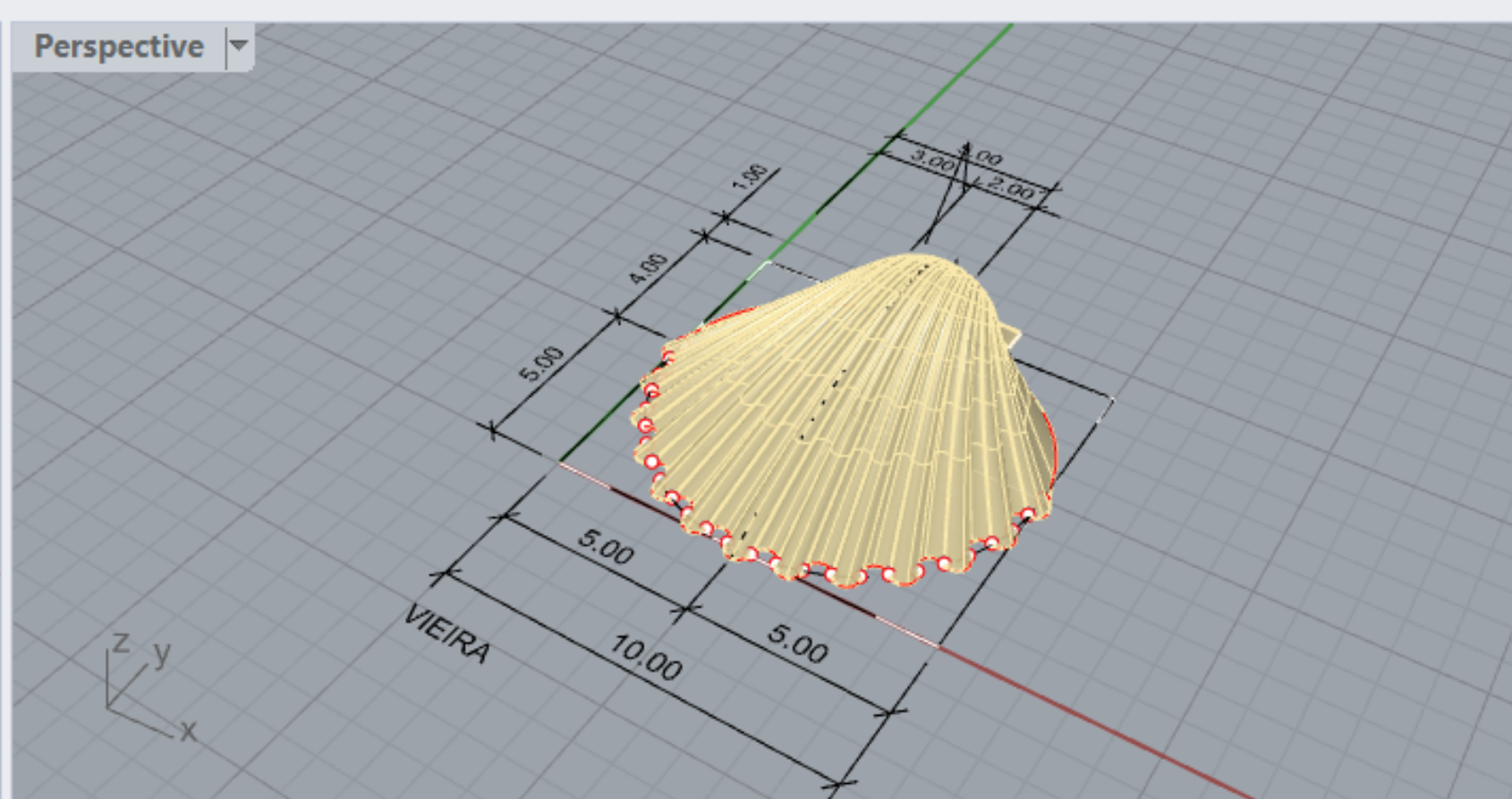
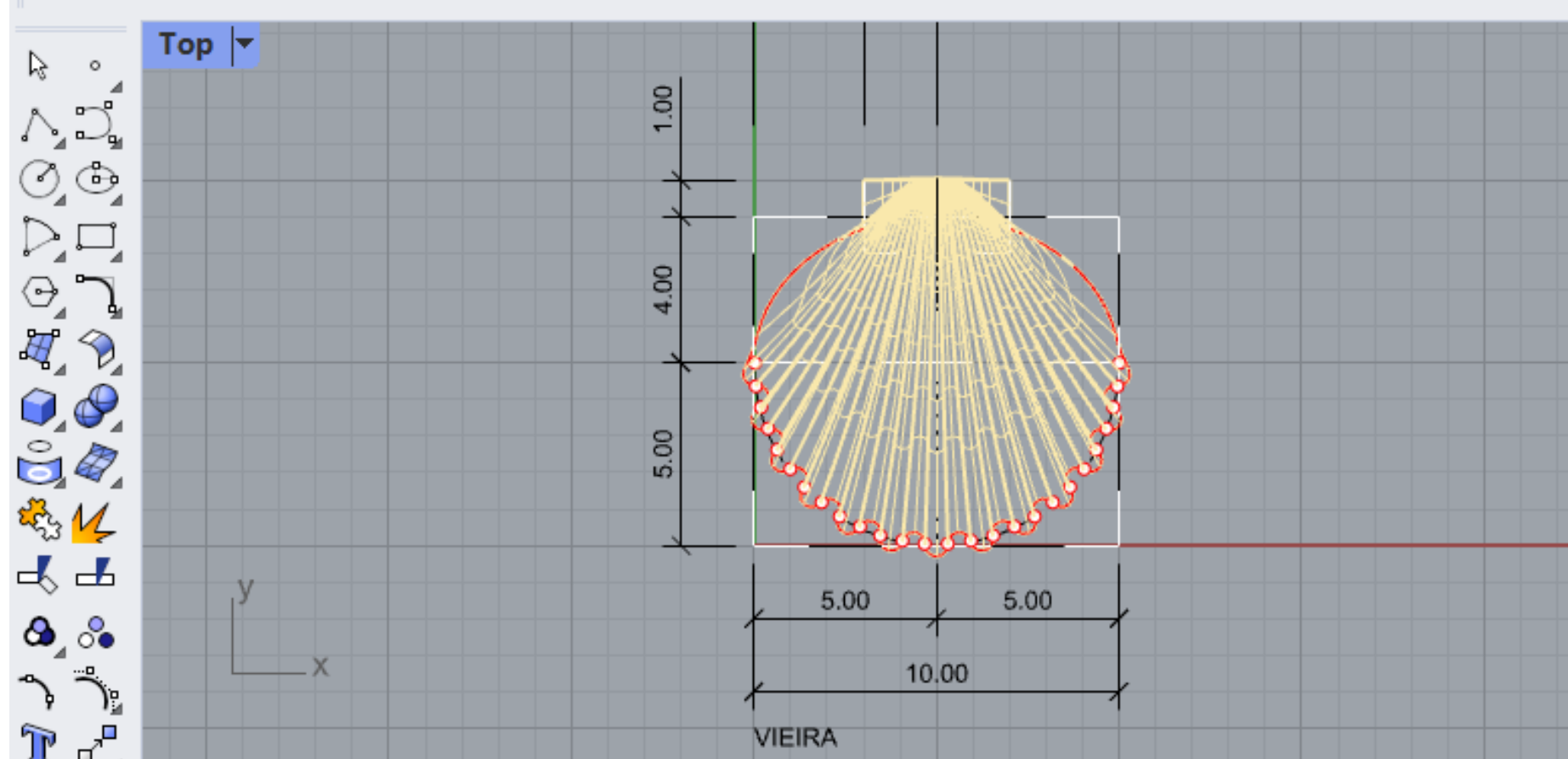
Exerc. 5.2 - Amêijoa

Command: _Delete

Command: '_4View

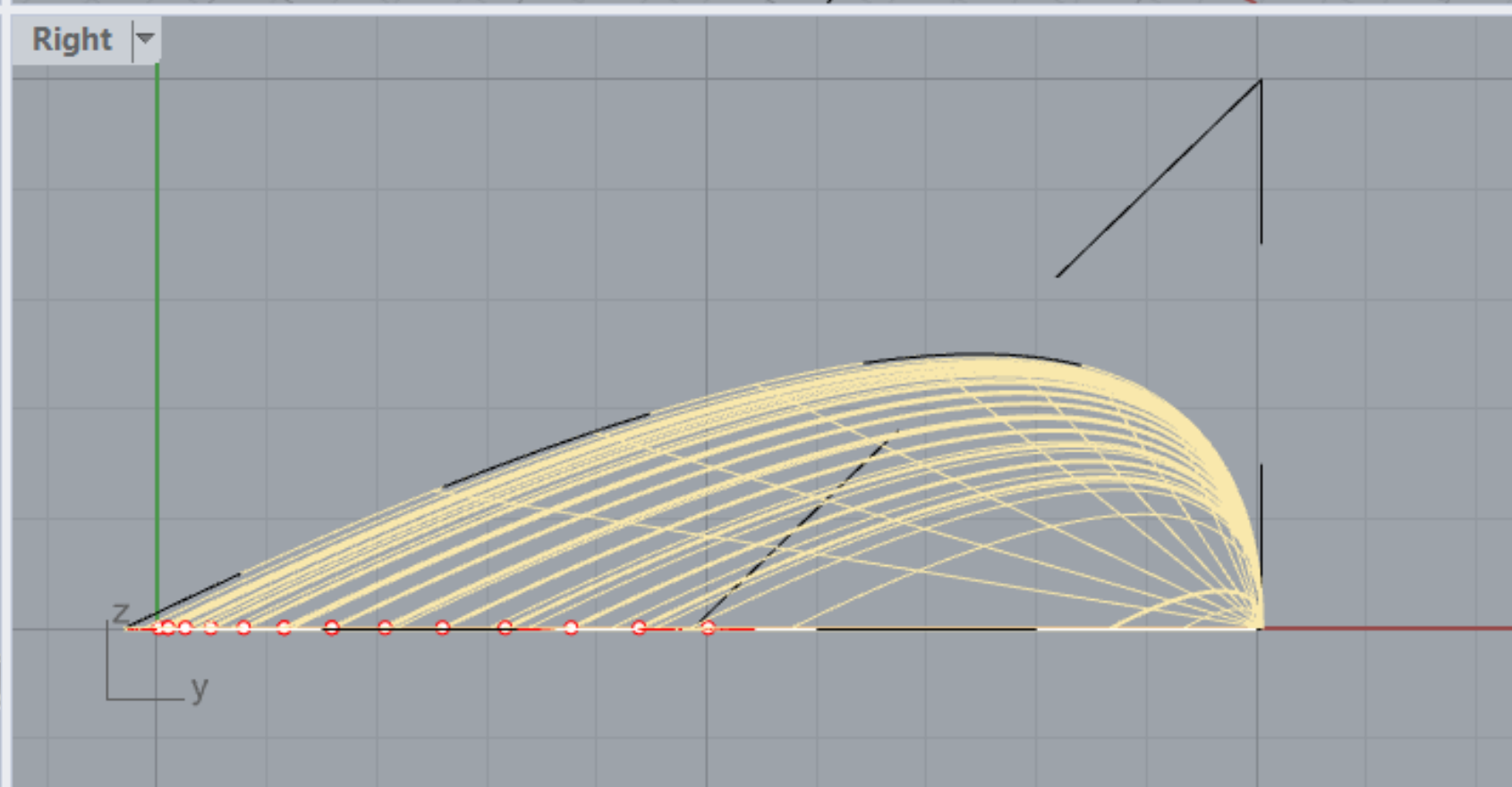
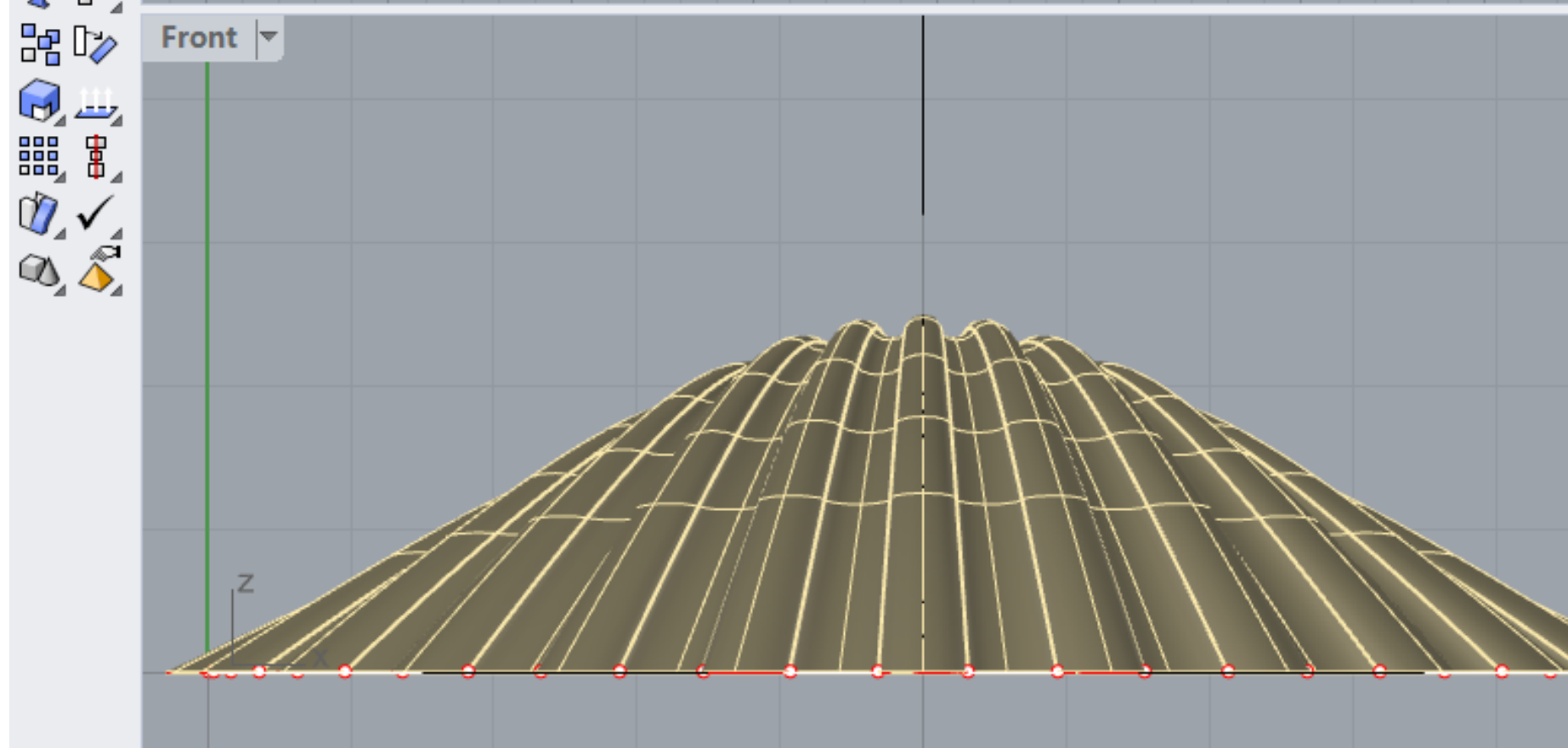
Command:

Standard CPlanes Set View Display Select Viewport Layout Visibility Transform Curve Tools Surface Tools Solid Tools SubD Tools Mesh Tools Render Tools Drafting New in V7



Layers

Layer	Material	Linetype	Print Wid
Default	✓	Continu...	◆ Default
TEXT0	■	Continu...	◆ Default
AUX1	□	Hidden	◇ Default
AUX2	■	Hidden	◆ Default
GERATRIZ	■	Continu...	◆ Default
DIRECTR...	■	Continu...	◆ Default
DIRECTR...	□	Continu...	◇ Default
VIEIRA	■	Continu...	◆ Default



Perspective Top Front Right +

End Near Point Mid Cen Int Perp Tan Quad Knot Vertex Project Disable

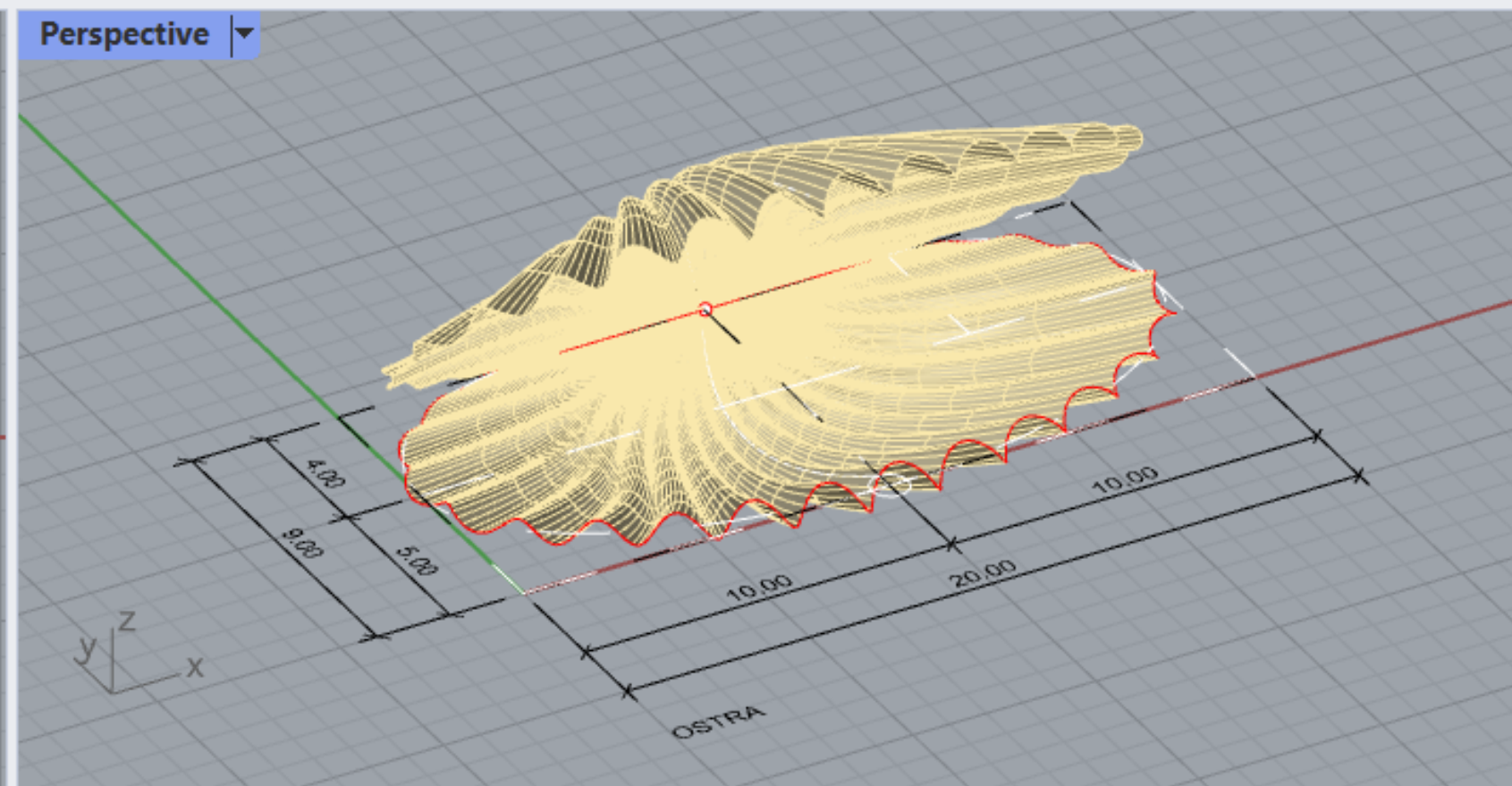
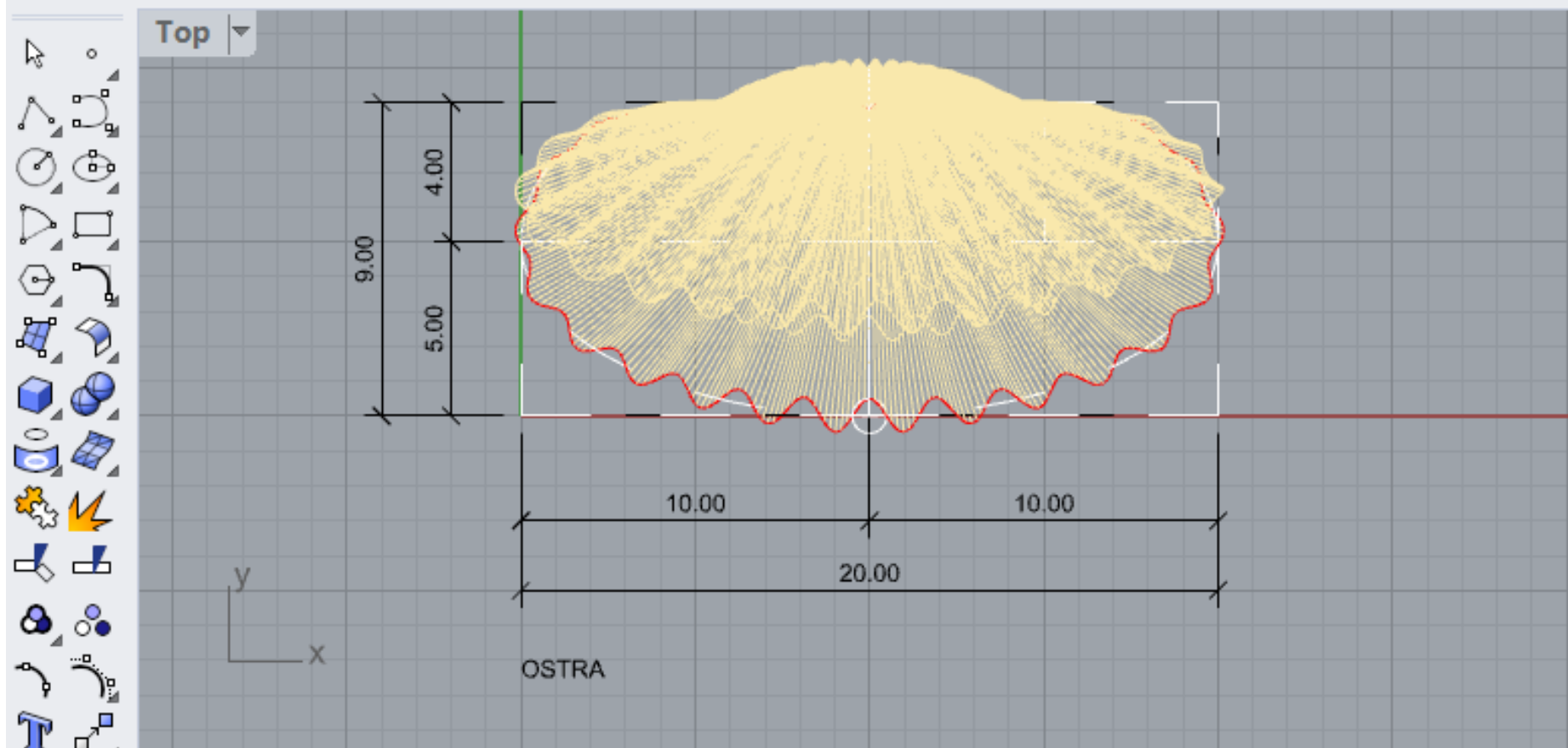
CPlane x -7.876 y -3.201 z 0 Millimeters ■ Default Grid Snap Ortho Planar Osnap SmartTrack Gumball Record History Filter CPU use: 0.7 %

Exerc. 5.3 - Vieira

Select objects to rotate

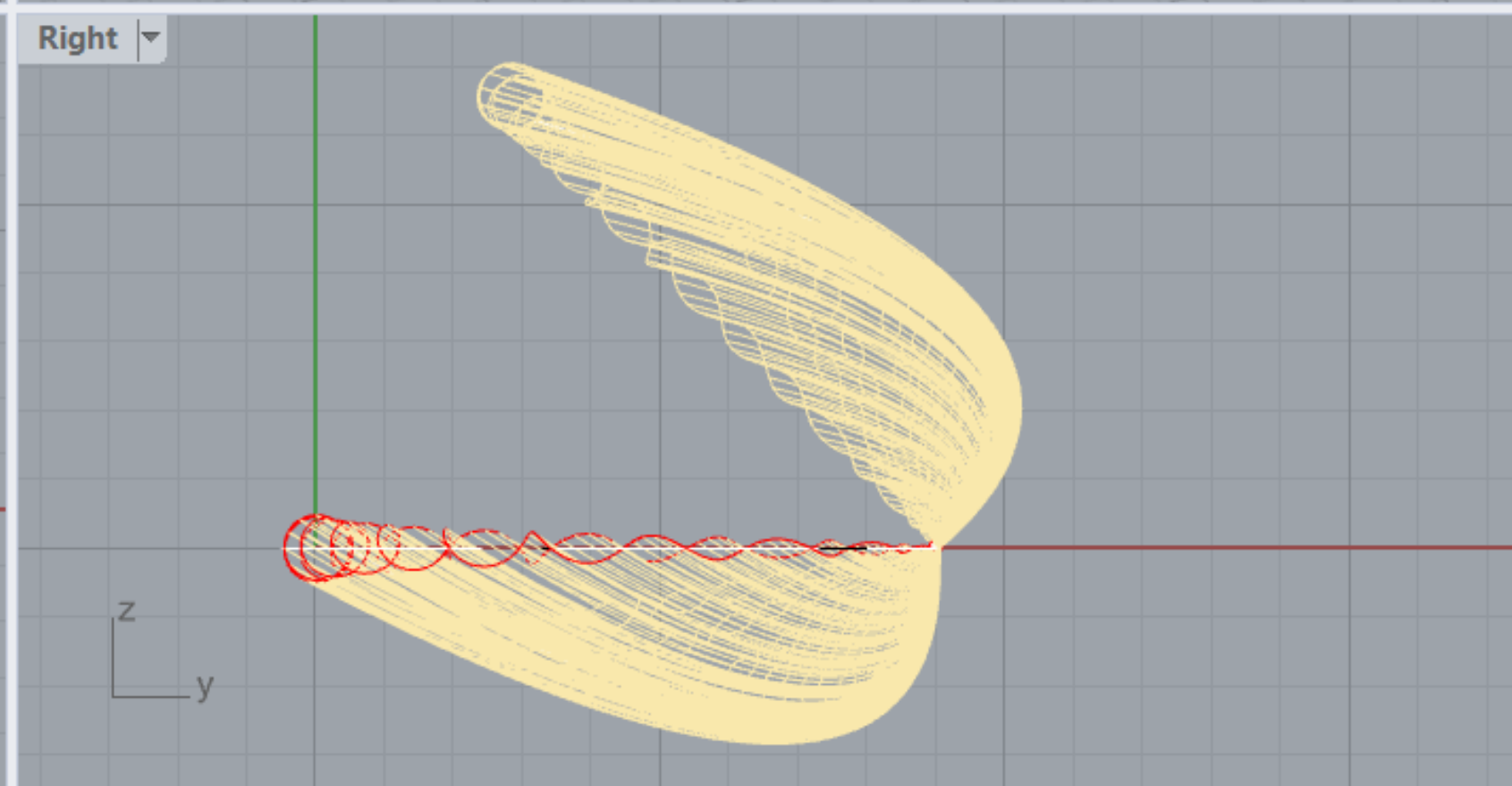
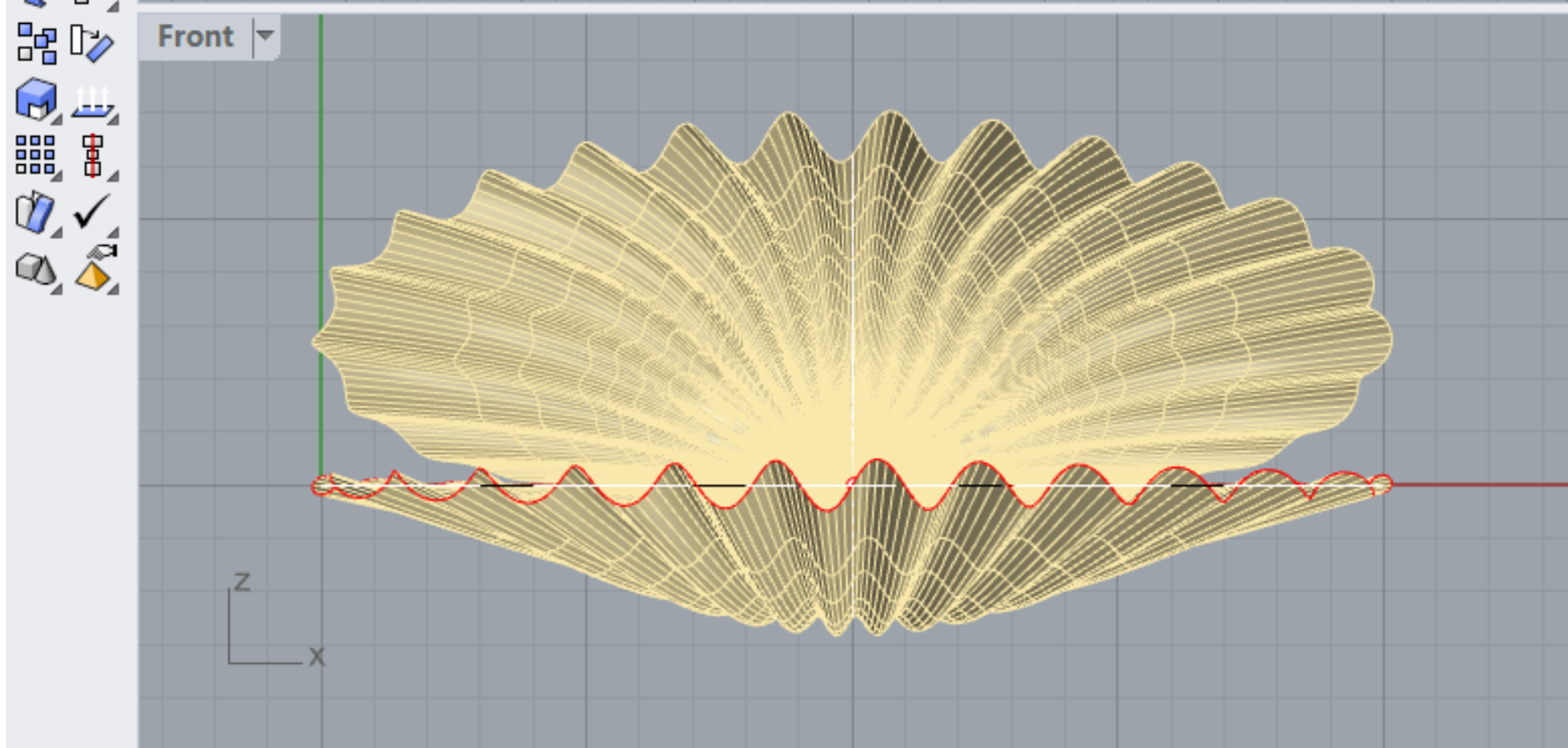
Command: Rotate

Select objects to rotate:

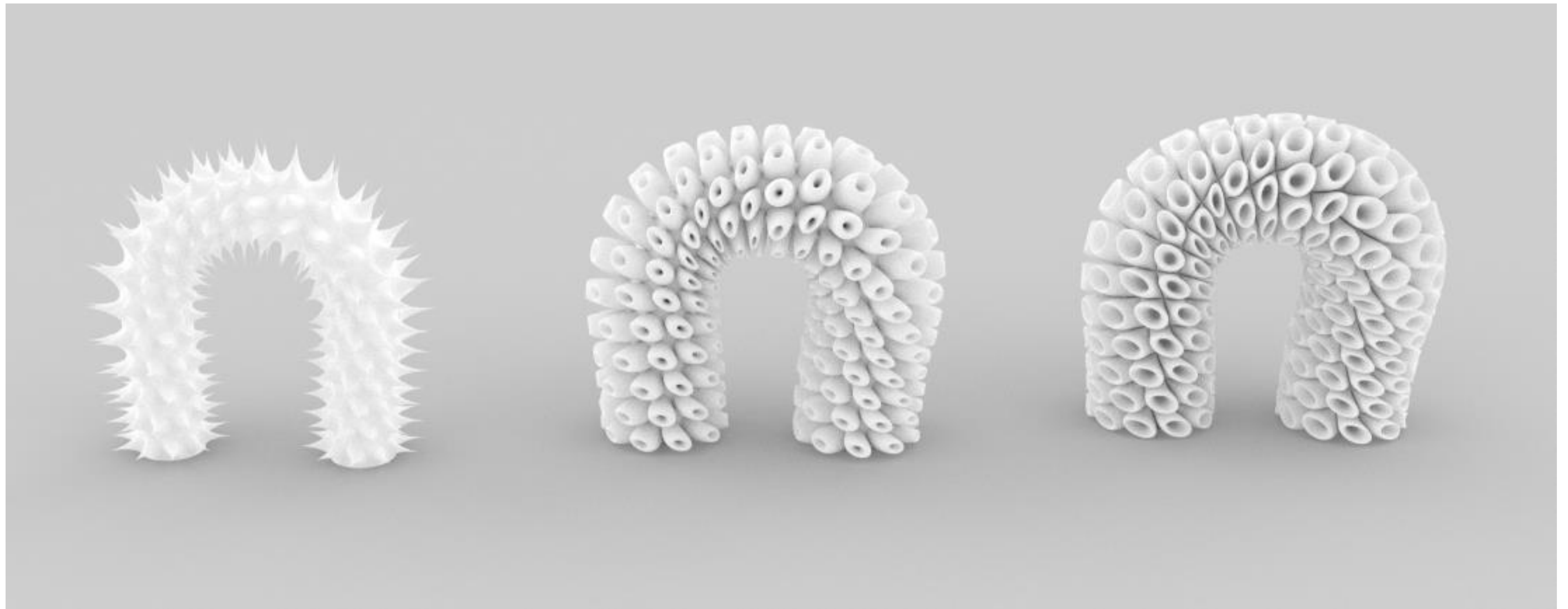


Layers

Layer	Material	Linetype	Print Wid
Default		Continuo...	◆ Default
TEXT0		Continuo...	◆ Default
AUX1		Hidden	◇ Default
AUX2		Hidden	◆ Default
GERATRIZ		Continuo...	◆ Default
DIRECTR...		Continuo...	◆ Default
DIRECT...		Continu...	◇ Default
MEXILH...		Continuo...	◆ Default
AMÊIJOA		Continuo...	◆ Default
VIEIRA		Continuo...	◆ Default
OSTRA		Continuo...	◆ Default

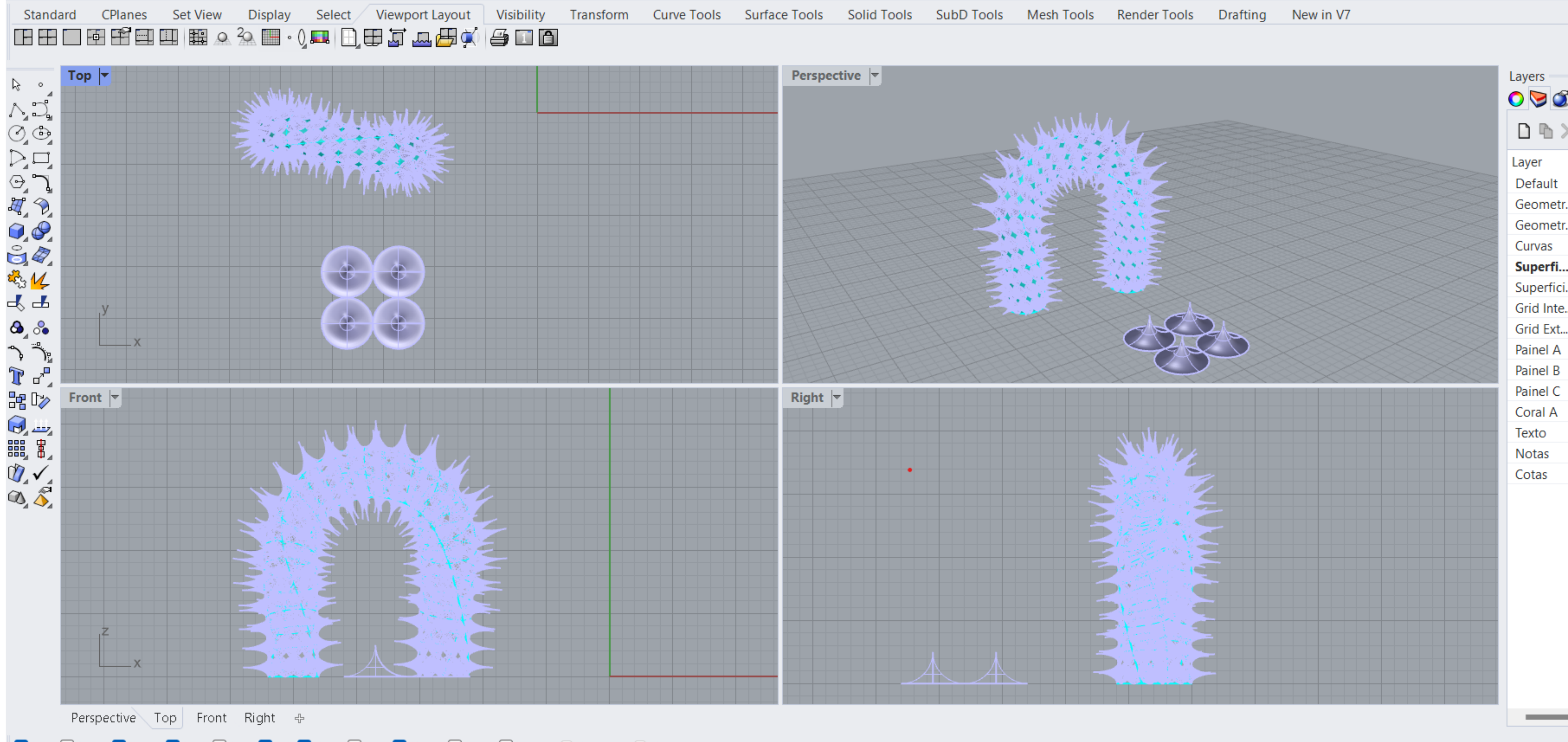


Exerc. 5.4 - Ostra



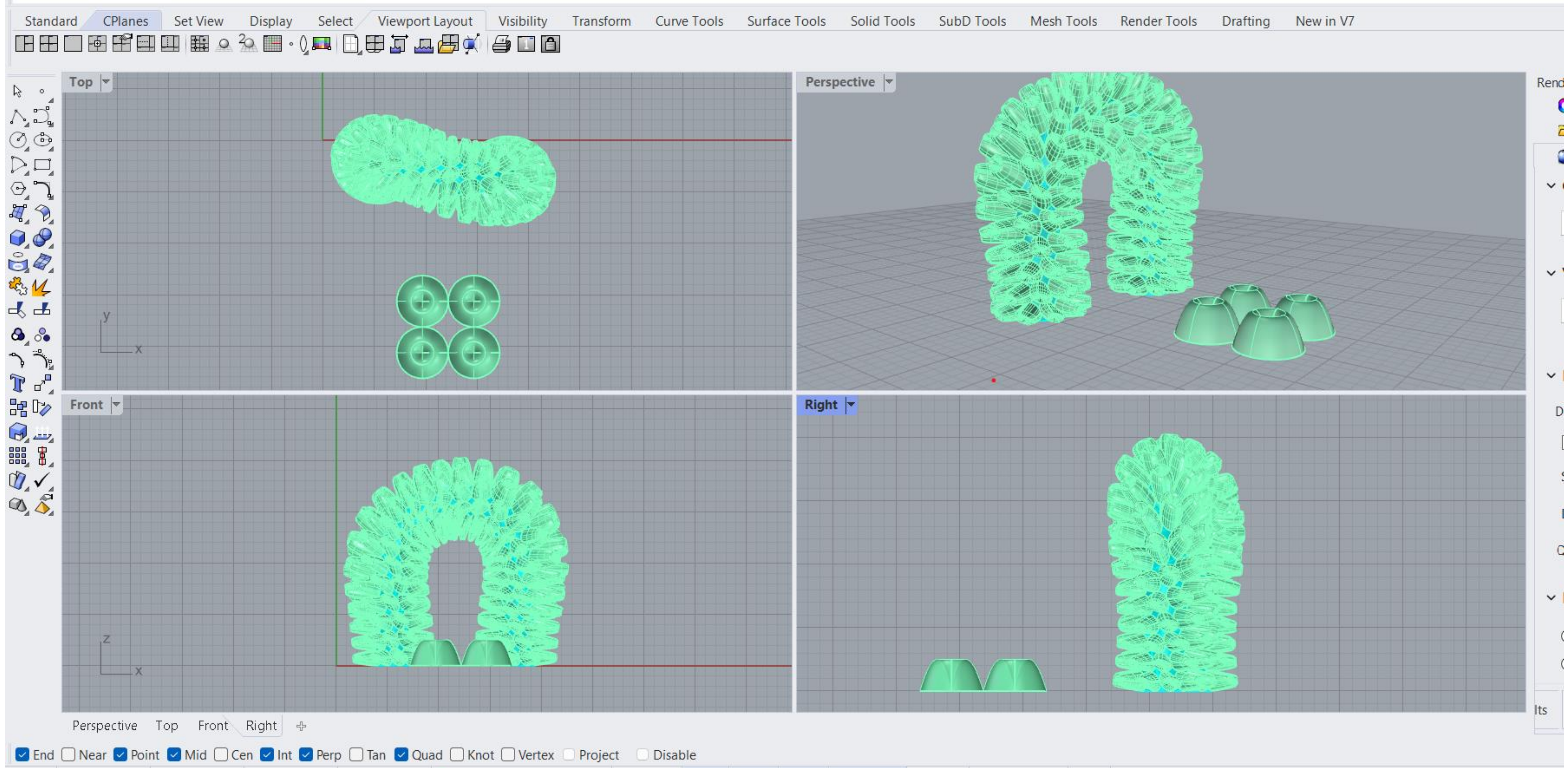
Exercícios 5 – CONCHAS BIVALVES

Command:

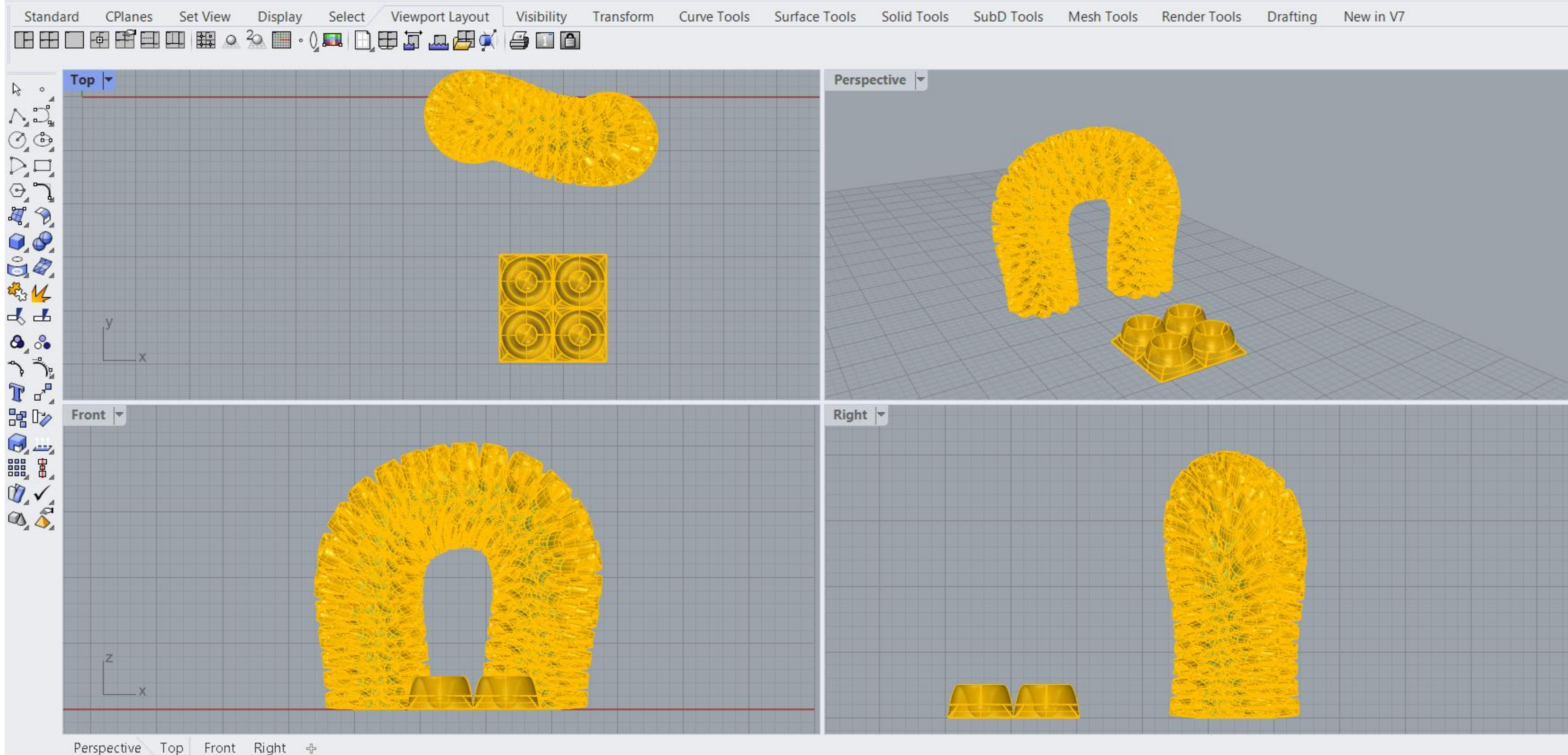


Exerc. 6.1 – CORAL 1

Command:



Exerc. 6.2 – CORAL 2



Exerc. 6.3 – CORAL 3