

Modelação e Visualização Tridimensional em Arquitectura

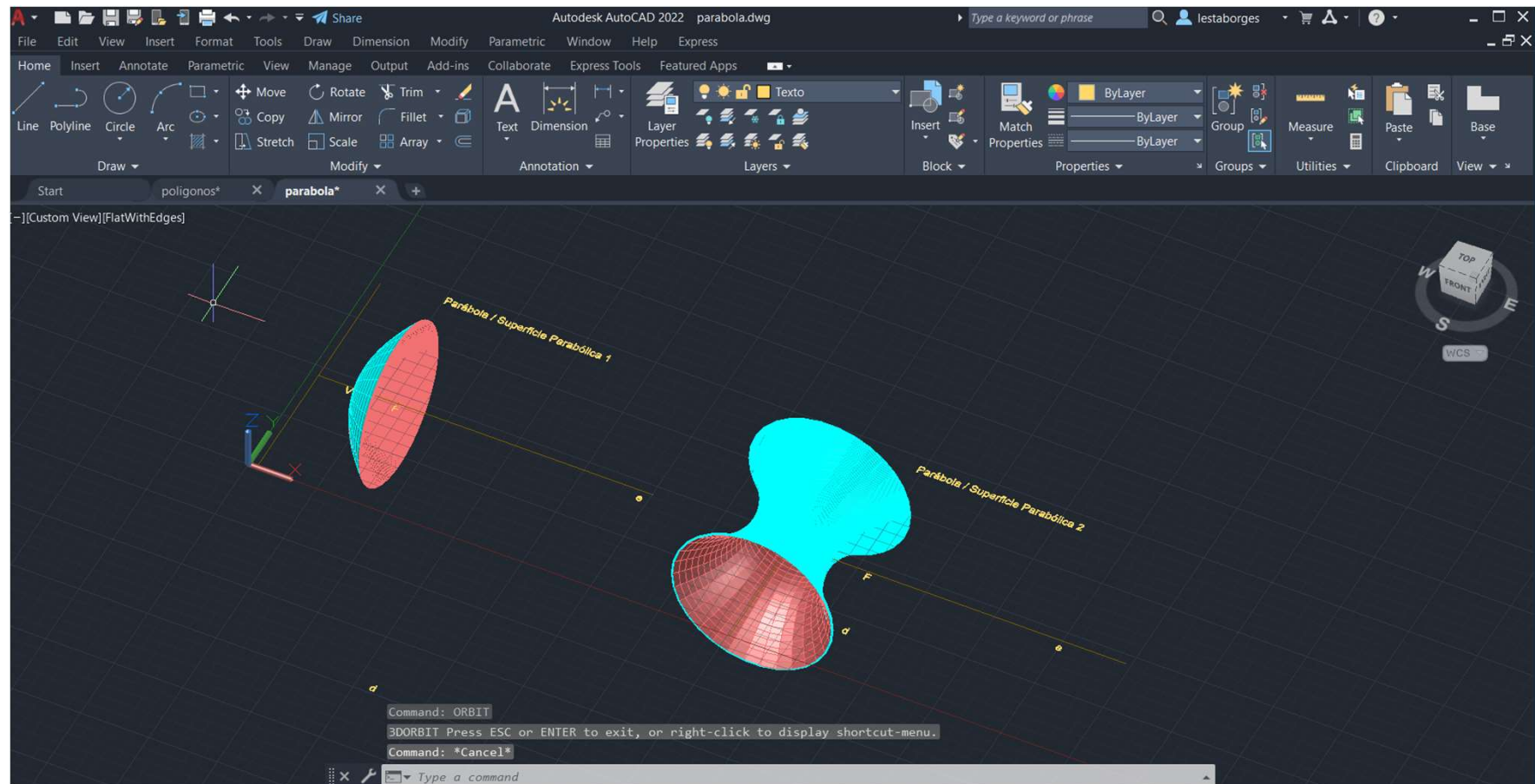
20201259



LEANDRA BORGES

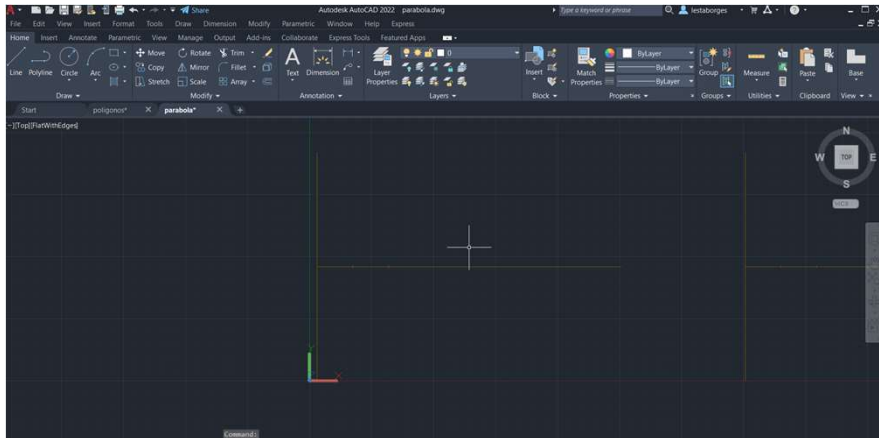
ÍNDICE

1. Superfície Parabólica
2. Poliedros
 - 2.1. Hexaedro – Comando *Box*
 - 2.2 . Hexaedro – Comando *Extrude*
 - 2.3 . Tetraedro – Comando *3DRotate*
 - 2.6 . Tetraedro – Comando *Array*
 - 2.5 . Hexaedro – Comando *3DRotate*
 - 2.6 . Hexaedro – Comando *Array*
 - 2.7 . Dodecaedro

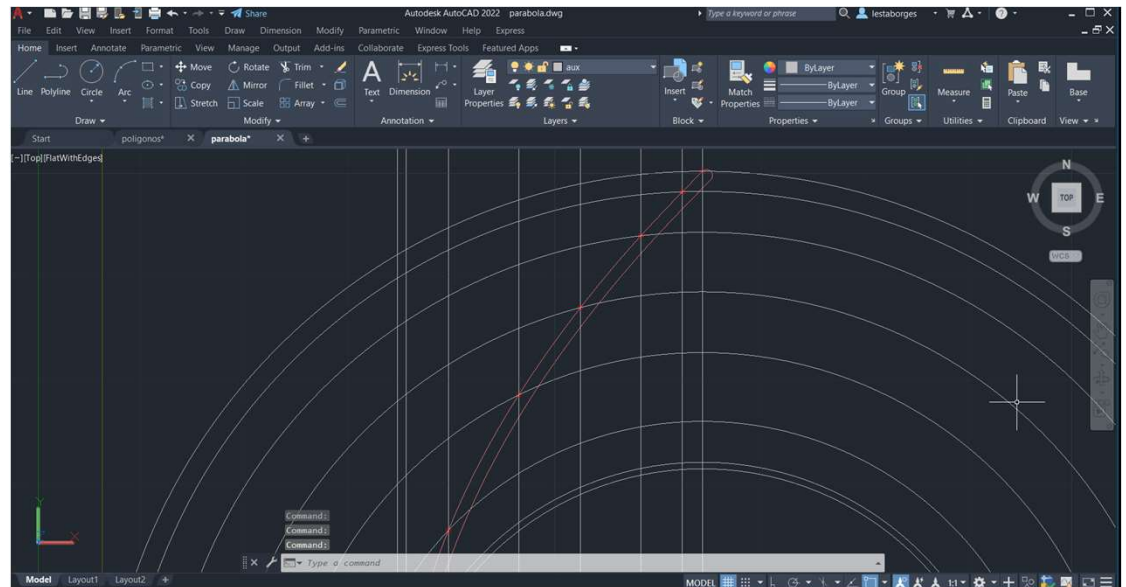


Exerc. 1.1 - Superfície Parabólica

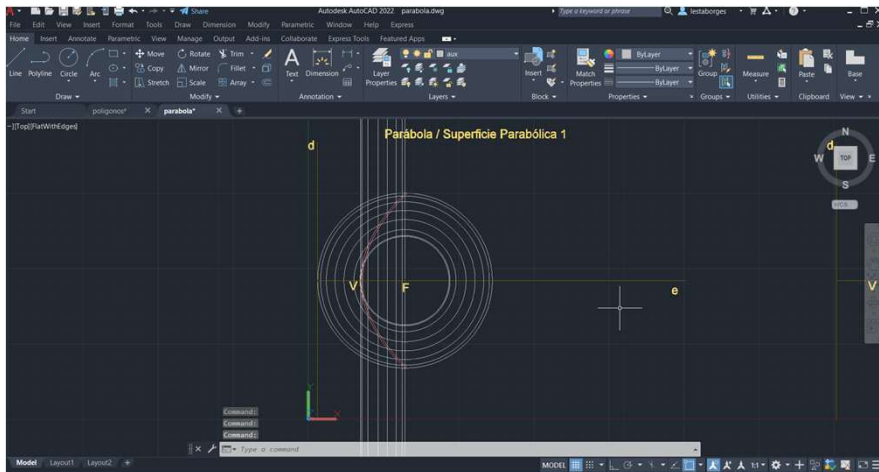
Desenho dos elementos diretores



Interseção das linhas

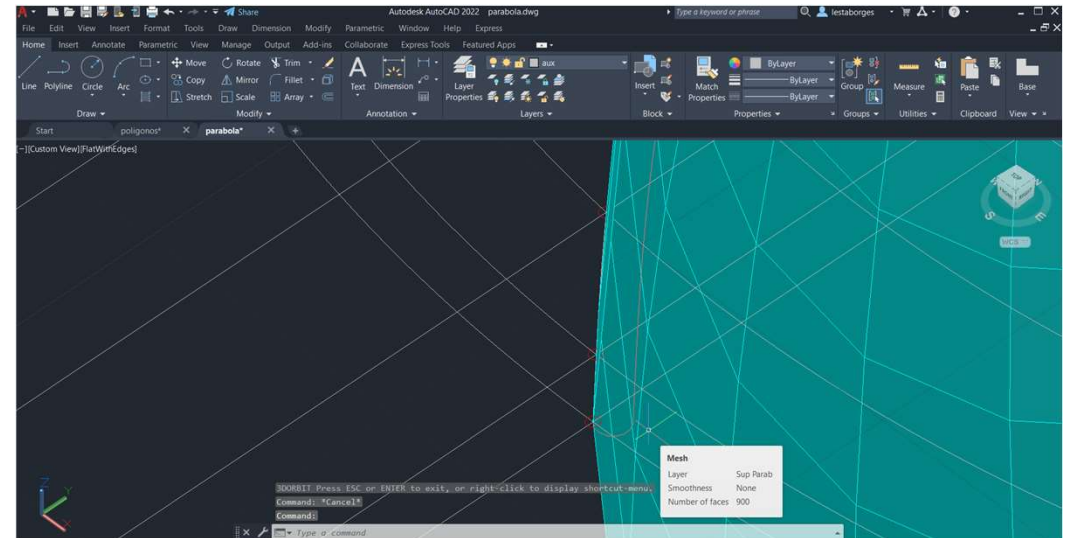
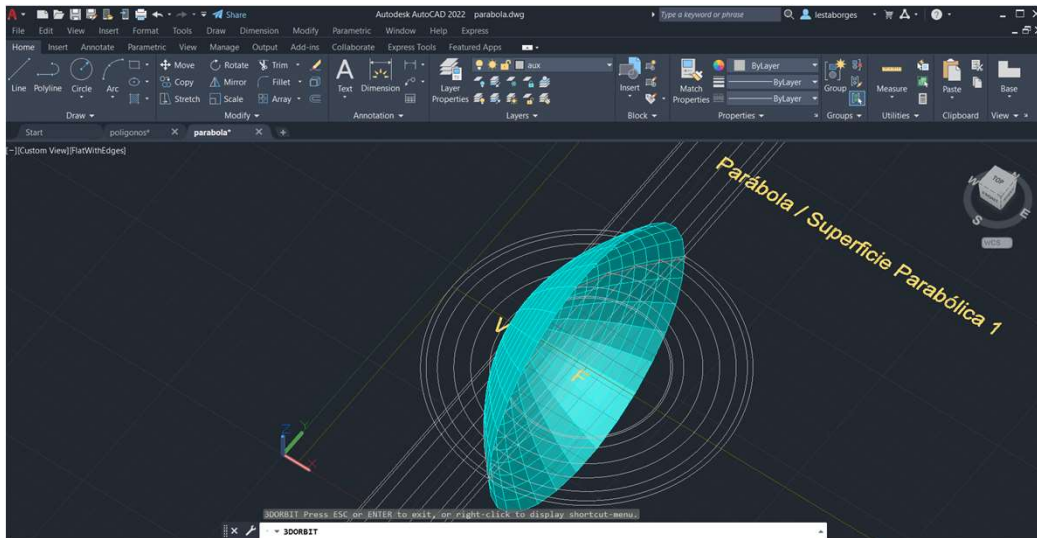


Criação linhas auxiliares



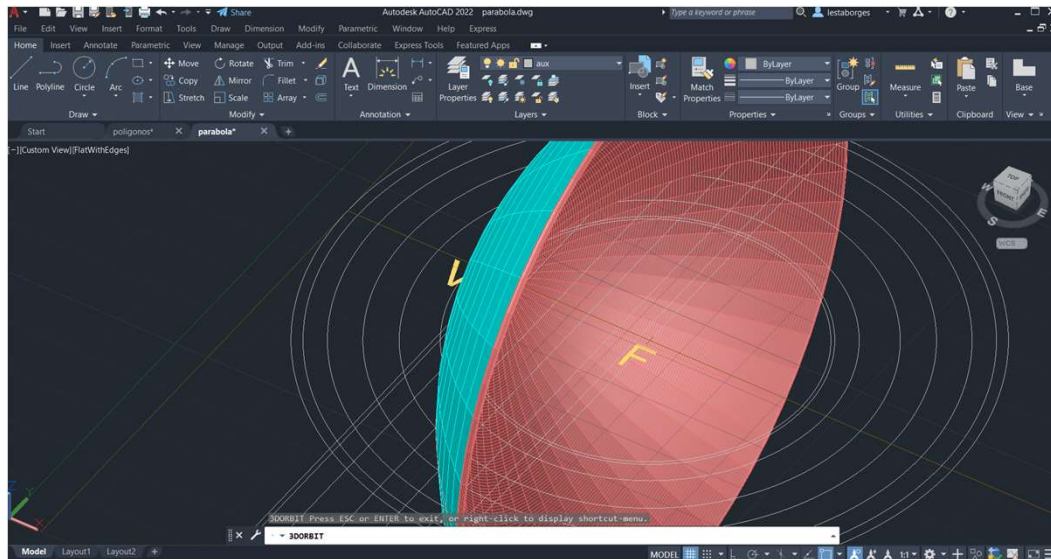
Exerc. 1.1 - Superfície Parabólica

Superfície parabólica – comando *Revsurf*

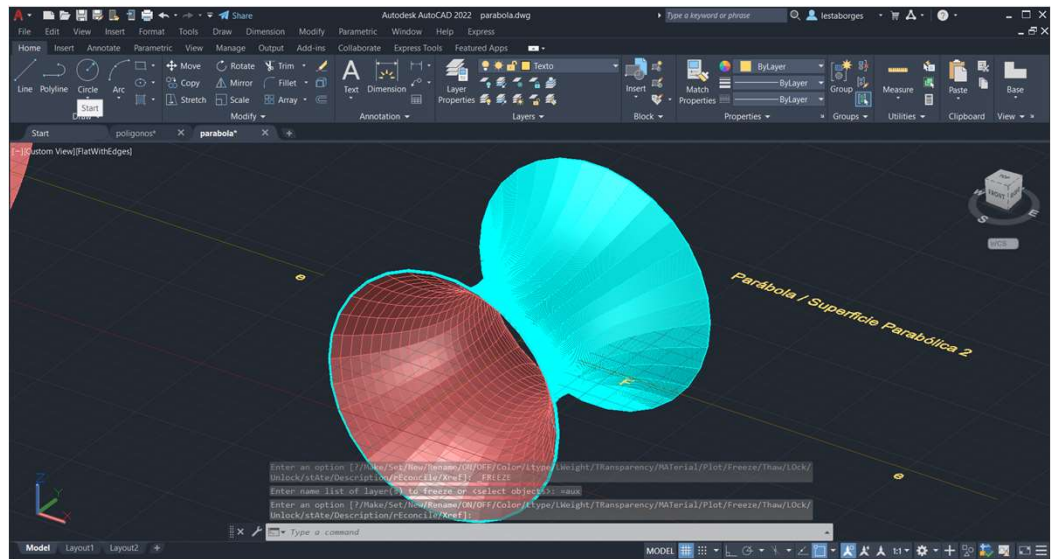


Exerc. 1.1 - Superfície Parabólica

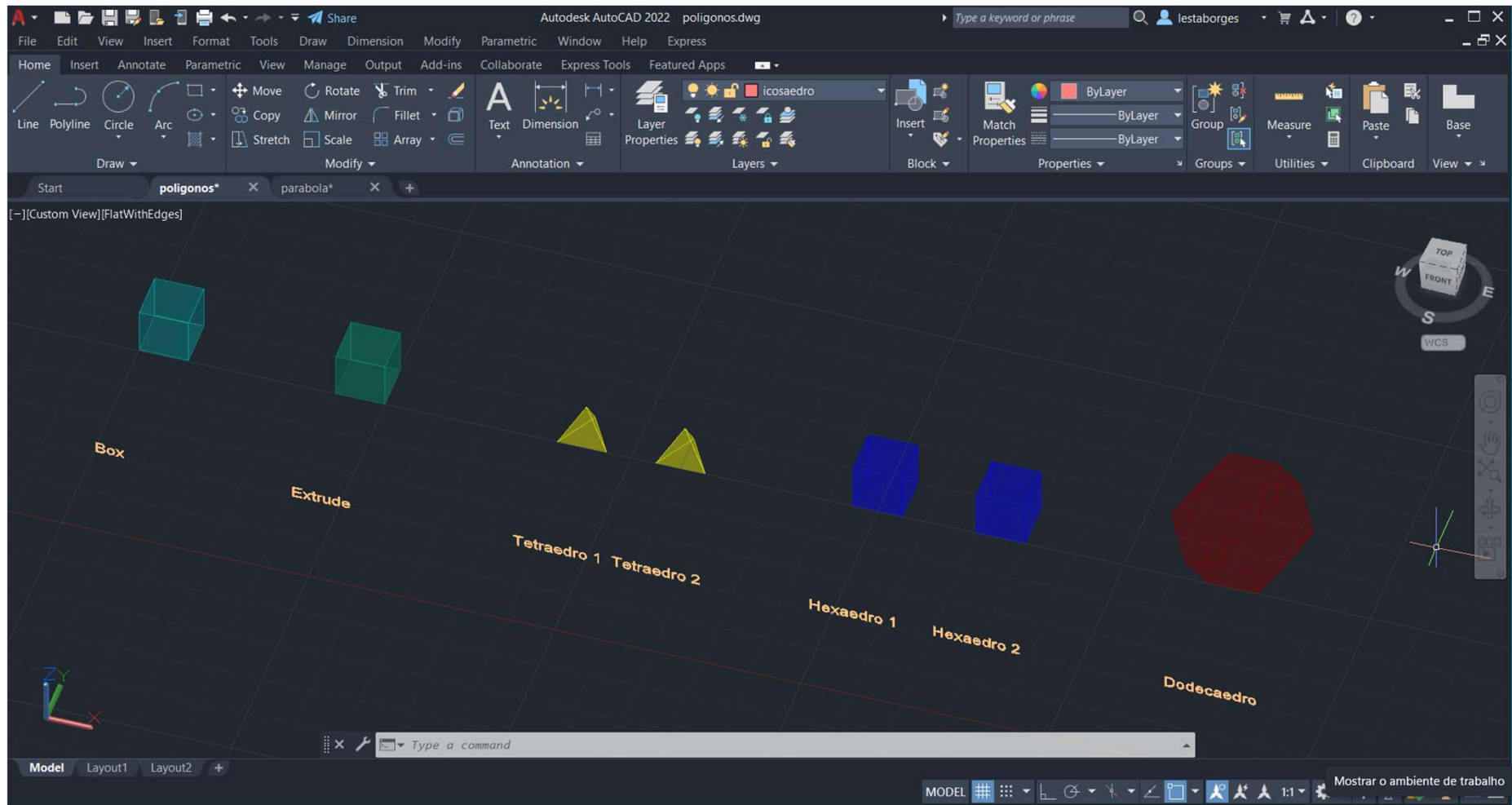
Duplicação da superfície parabólica



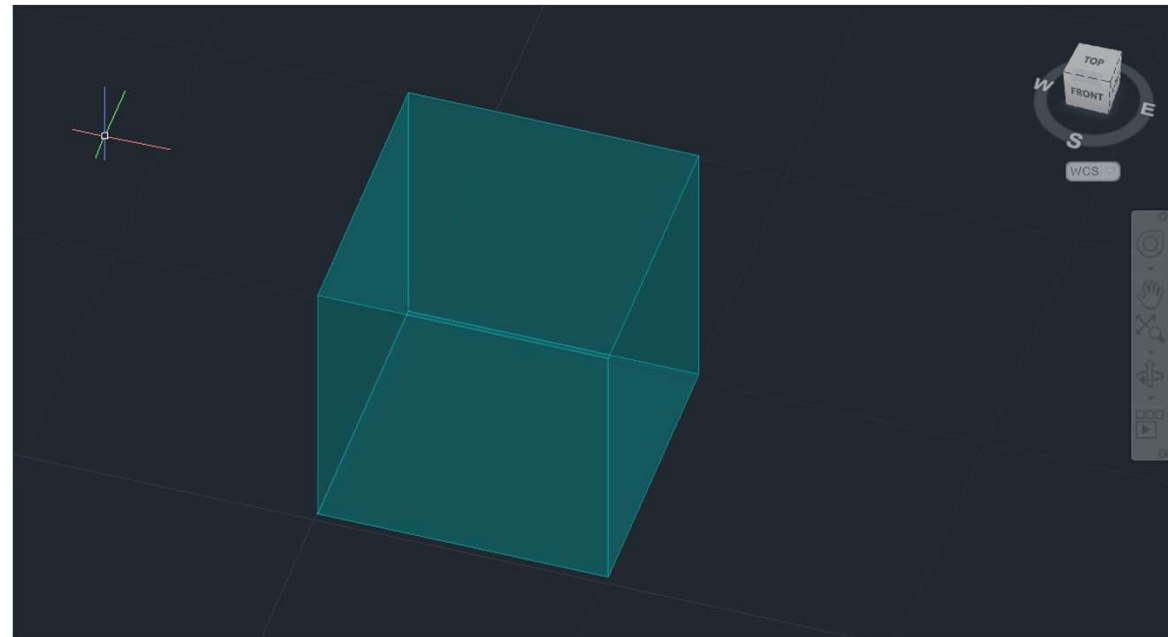
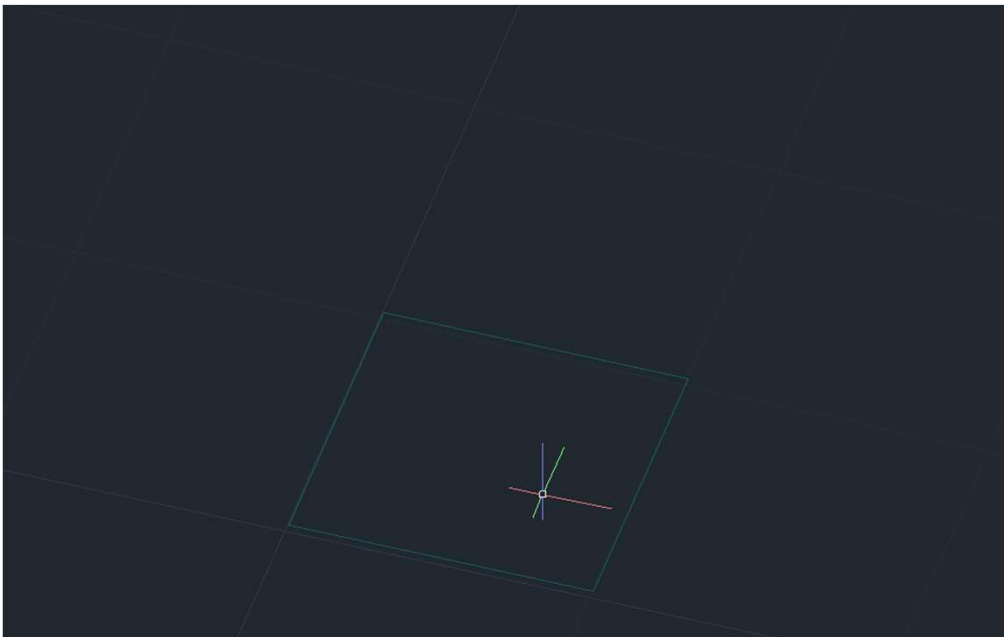
Segunda superfície parabólica



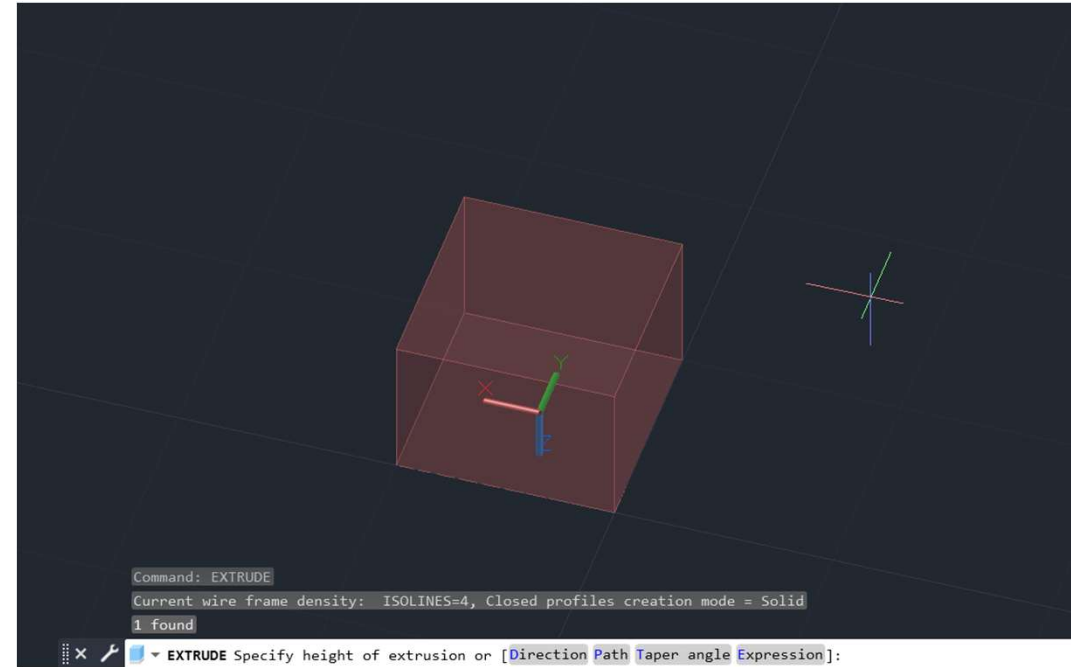
Exerc. 1.1 - Superfície Parabólica



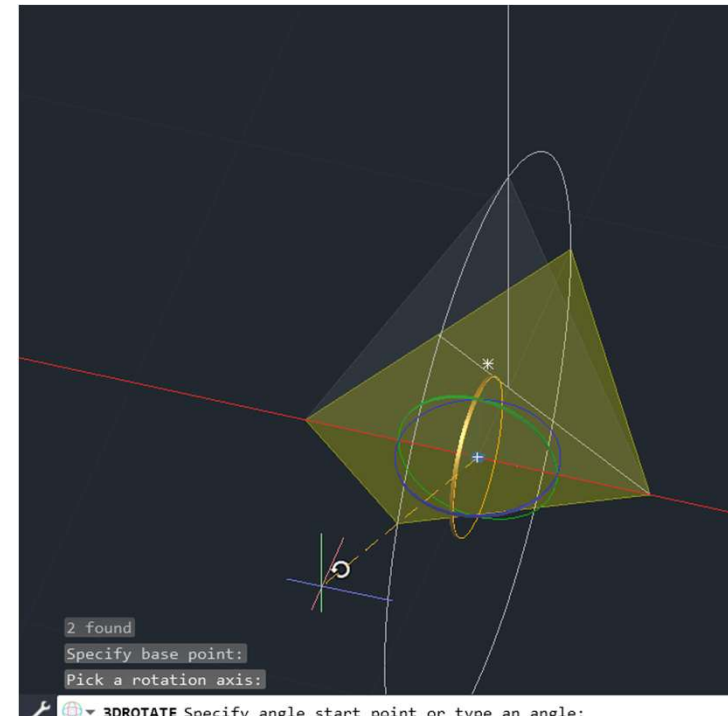
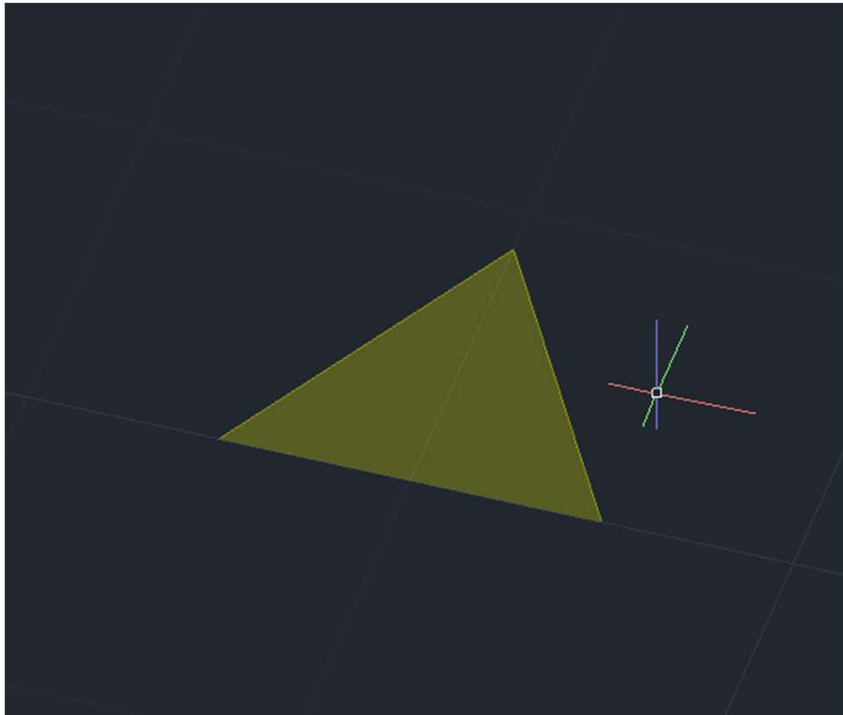
Exerc. 2 - Poliedros



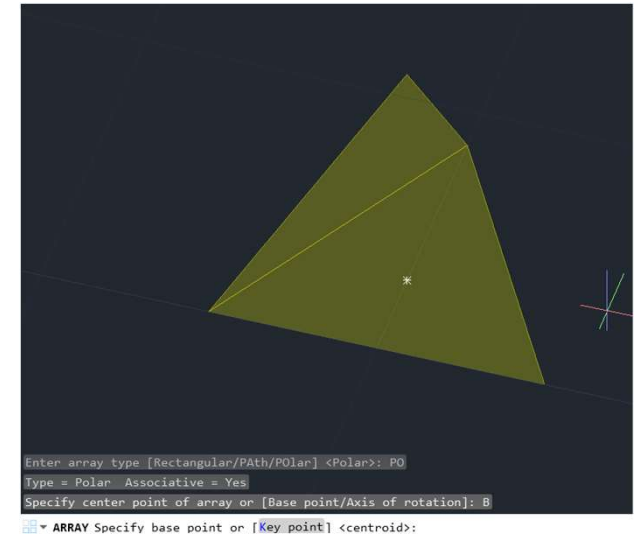
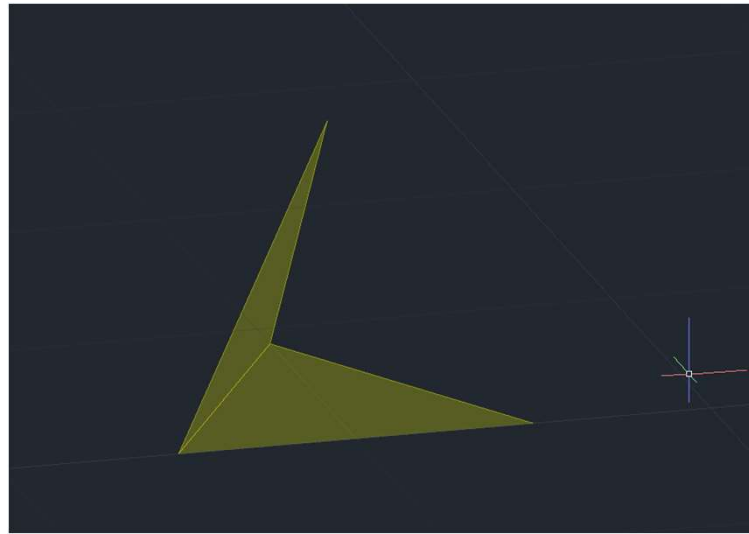
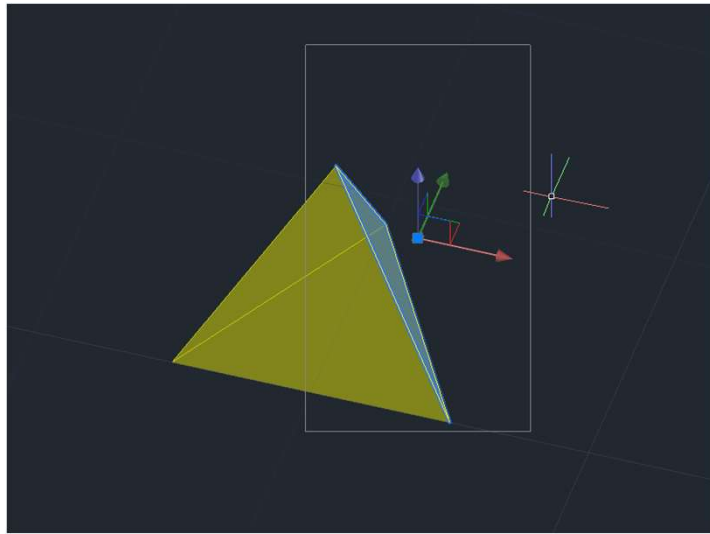
Exerc. 2.1 – Hexaedro – Comando *Box*



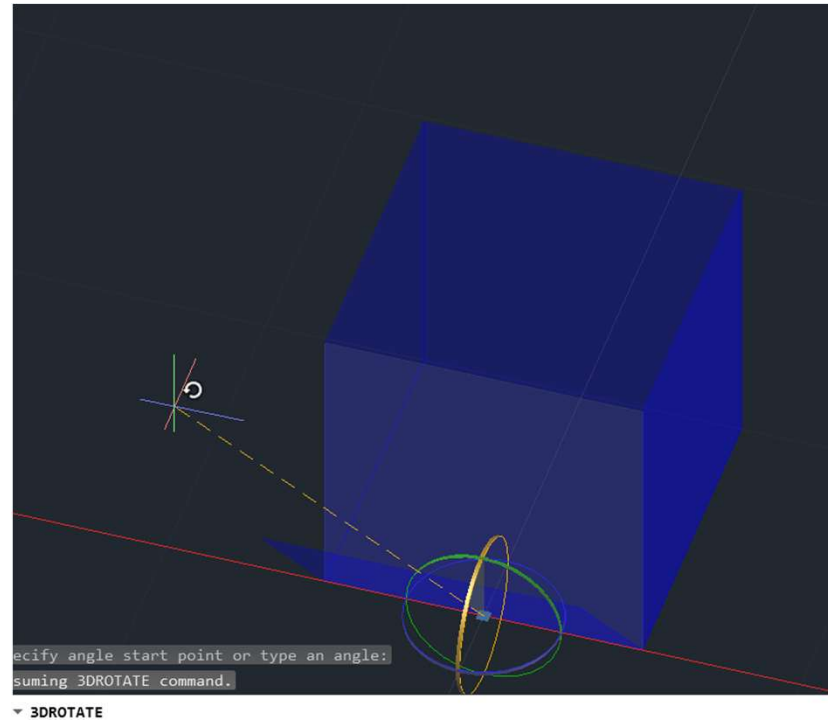
Exerc. 2.2 – Hexaedro – Comando *Extrude*



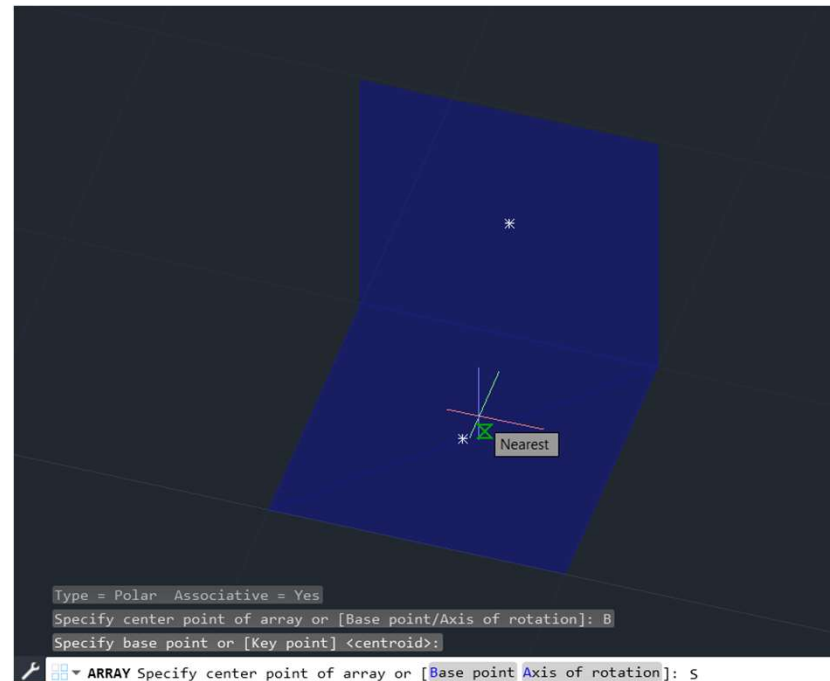
Exerc. 2.3 – Tetraedro - Comando *3DRotate*



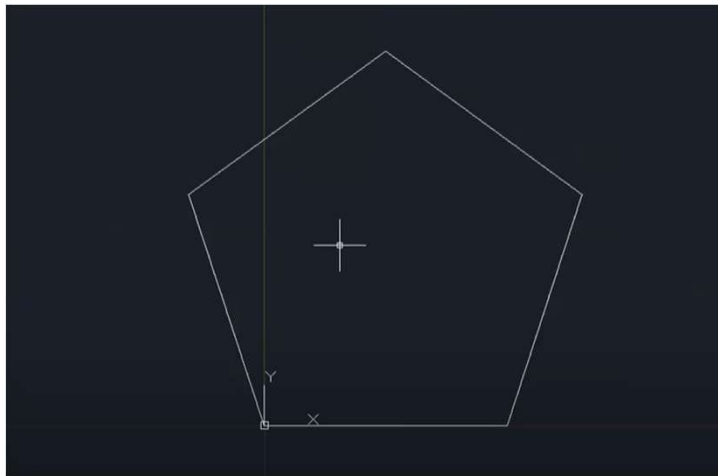
Exerc. 2.4 – Tetraedro - Comando A



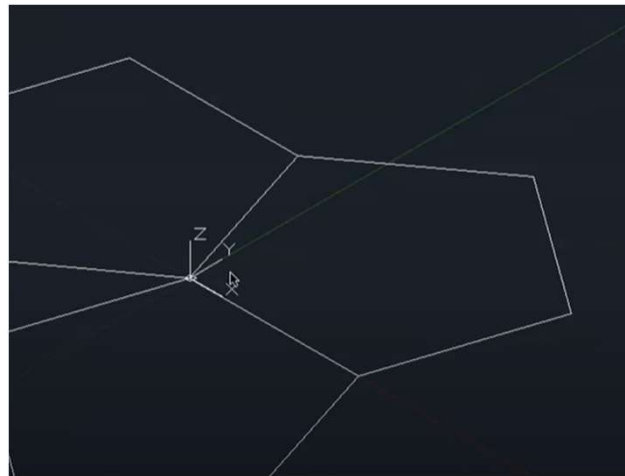
Exerc. 2.5 – Hexaedro – Comando *3DRotate*



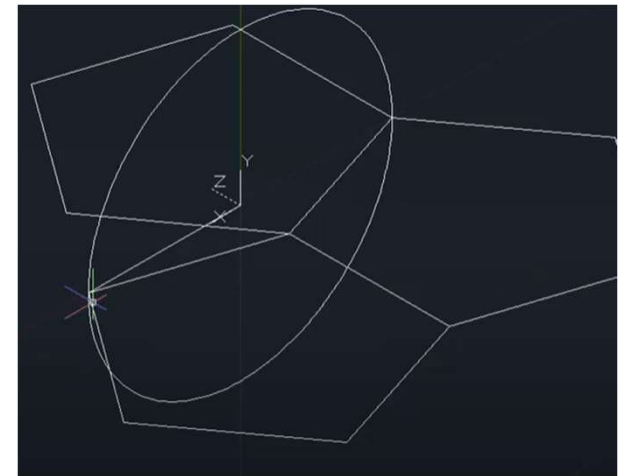
Exerc. 2.6 – Hexaedro – Comando *Array*



Base pentagonal

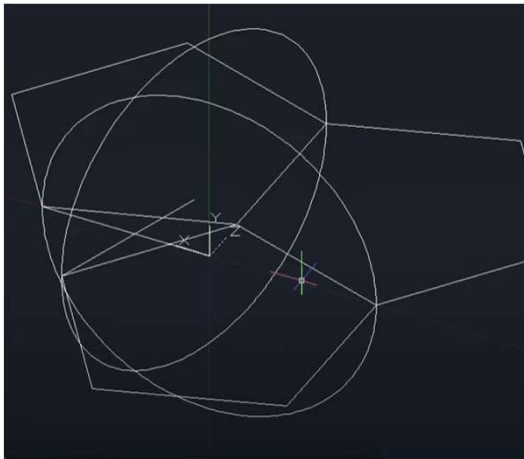


Comando *Mirror*

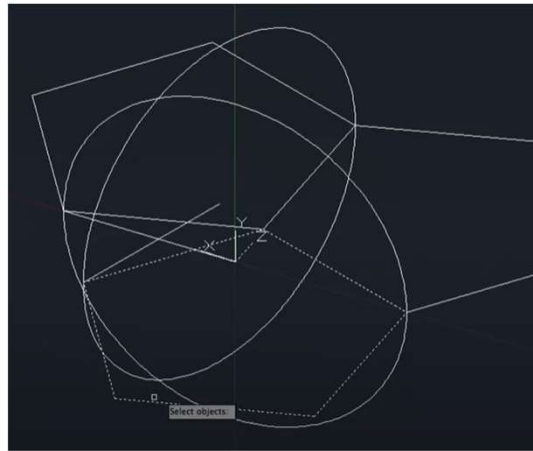


Criação de eixo de rotação e linhas auxiliares

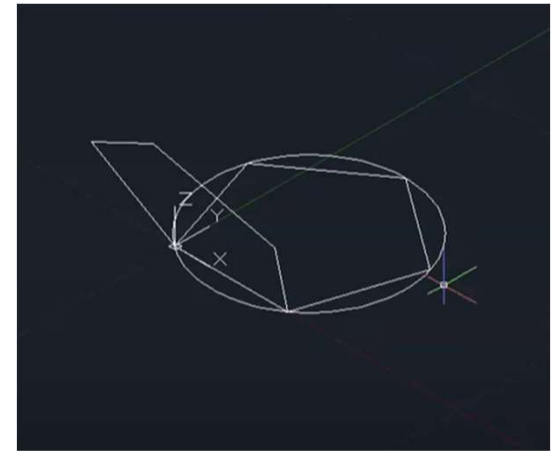
Exerc. 2.7 - Dodecaedro



Interseção das linhas auxiliares



Alinhamento/Rotação do pentágono

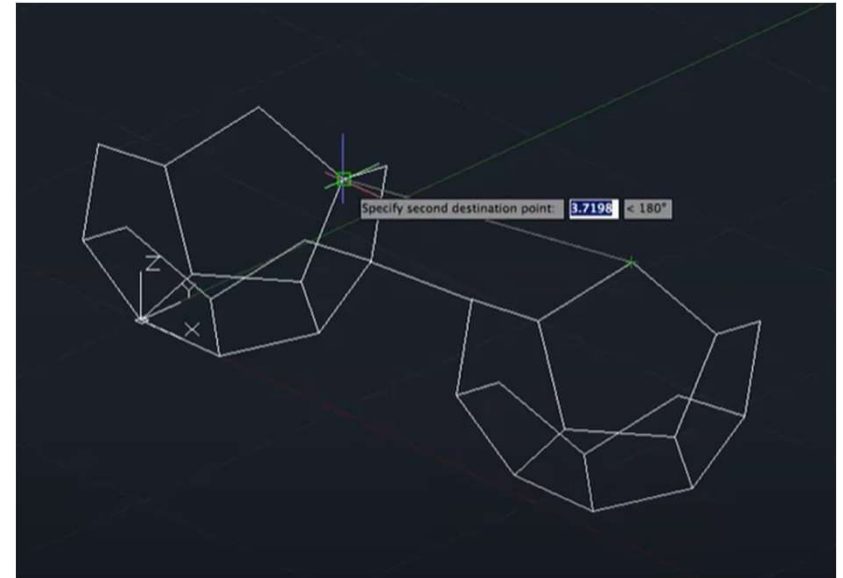


Criação de um dos lados do dodecaedro

Exerc. 2.7 - Dodecaedro

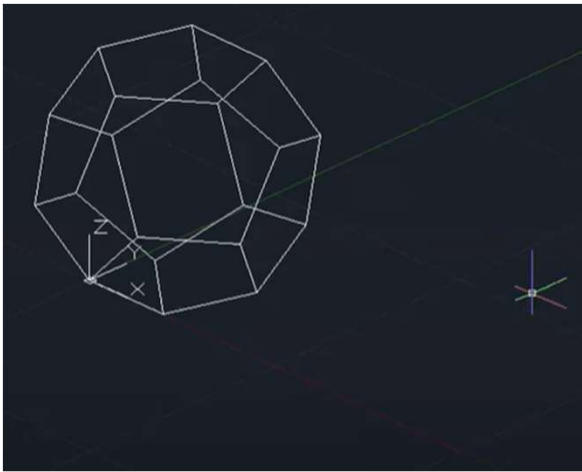


Criação da metade do dodecaedro através do comando *Array*

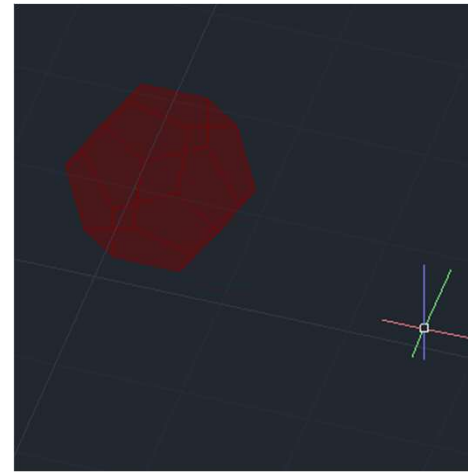


Cópia e alinhamento das duas metades pelo comando *Align*

Exerc. 2.7 - Dodecaedro



Alinhamento das duas metades



Comando *Shade*

Exerc. 2.7 - Dodecaedro