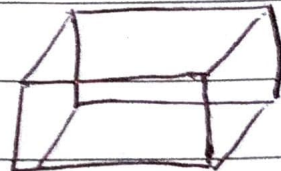
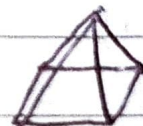


3) a) Paralelepípedo:



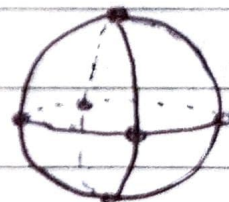
$$V - E + F = 8 - 12 + 6 = \underline{2}$$

b) Pirâmide:



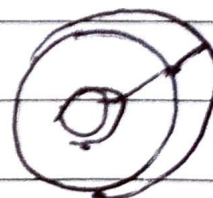
$$V - E + F = 5 - 8 + 5 = \underline{2}$$

c) Esfera:



$$V - E + F = 6 - 12 + 8 = \underline{2}$$

d) Torus:

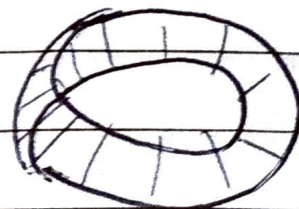


$$V - E + F - M = 2 \cdot (C - G)$$

$$4 - 8 + 4 - 0 = 2(1 - 1)$$

$$\underline{0 = 0}$$

e) Faixa de Möbius



$$V - E + F - M = 2(C - G)$$

$$2 - 3 + 1 - 0 = 2(1 - 1)$$

$$\underline{0 = 0}$$

Topologia 2: Paralelepípedo, pirâmide e esfera

Topologia 0: Torção e Faixa de Möbius