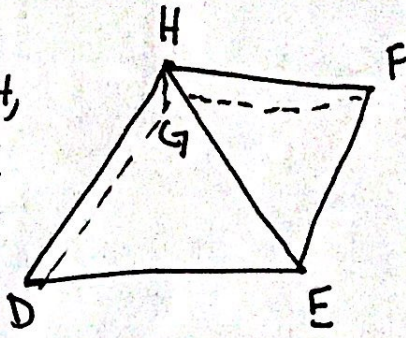


11 - | Notebook Questions

1) Name the following:

5 Faces - $\triangle DEH$, $\triangle EFH$, $\triangle FGH$,
 $\triangle GDH$, quad. $DHFE$



5 Vertices - E, D, H, F, G

8 Edges - \overline{DG} , \overline{DE} , \overline{EF} , \overline{FG} ,
 \overline{HD} , \overline{HG} , \overline{HE} , \overline{HF}

2) Use Euler's Formula to find the missing number.

Euler's Formula

$$F + V = E + 2$$

Faces: 12

Edges: 30

Vertices: 20

$$F + 20 = 30 + 2$$

$$F = 32 - 20$$

$$F = 12$$

Faces: 20

Edges: 30

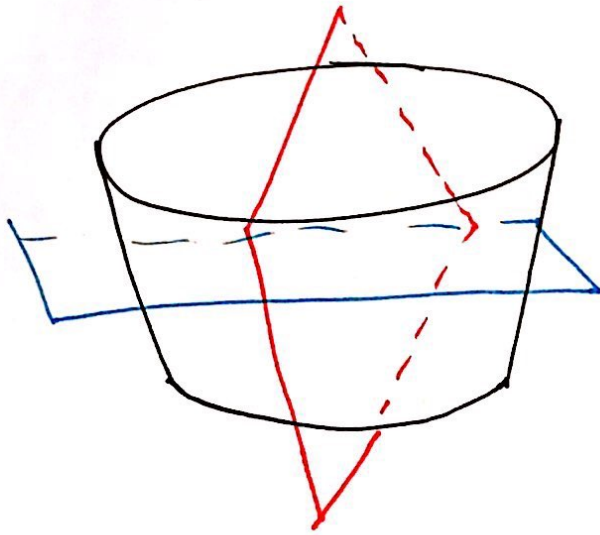
Vertices: 12

$$20 + 12 = E + 2$$

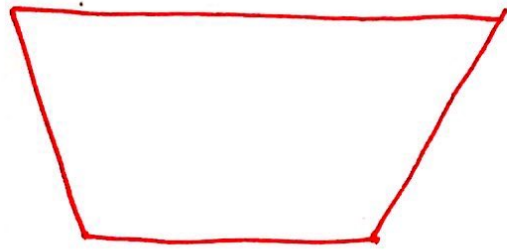
$$32 = E + 2$$

$$\begin{array}{r} 32 = E + 2 \\ -2 \quad -2 \\ \hline 30 = E \end{array}$$

3)



The vertical cross section.



The Horizontal cross section.

