Polygons

Sum of interior angles = (n-2) x 180 Each inherior angle = (n-2)×180 > Has to be a reditor kapleby

Sum of enderion outples = 360 Each enterior angle - 360 The to be a regular polygon

Int. Anglet Externor orphe: 180

Diagram NOT accurately drawn

The diagram shows two congruent regular pentagons and part of a regular n-sided Two sides of each of the regular pentagons and two sides of A meet at the point P.

- 108

Calculate the value of n. Show your working clearly.

Each interior angle: (6-2) x 180

cos so bluces sold be so

360= 108+108+N 360 = 216121

144 = M

luux Ext=180 (n-2)x180 = 144

Other method

(n-2)x180 =144n

36n = 360 > n=10

Each Ext Angle: 36

