Tarefa Básica

1-

$Se = 360° \Rightarrow ae = \frac{360°}{12}$

$ae = 30$

$Si = 180.(12-2)$

$Si = 180.10$

$si = 1800 \Rightarrow \frac{1800}{12} - 150°$

2-

$Si = 180\ (n-2)$

$Si = 180\ (20-2)$

$Si = 180 . 18$

$Si = 3.240°$

3-

$Si = 180°.(n-2)$

- n = lados do polígono

$\frac{180°.(n-2)}{n}$

4- $(n-2).180° = 5.360°$

$180°n - 360 = 1800$

$180n = 1800 + 360$

$180n = 2160$

$n = \frac{2160}{180}$

$n = 12$

$n = 12$
resposta dodecágono

tilibra

5- $n = 2d$

$n = \frac{2 \cdot (n(n-3))}{2}$

$n = n(n-3)$

$n = n^2 - 3n$

$n^2 - 3n - n = 0$

$n^2 - 4n = 0$

$\Delta = (-4)^2 - 4 \cdot 1 \cdot 0$

$\Delta = 16 - 0$

$\Delta = 16$

$n = \frac{-(-4) \pm \sqrt{16}}{2 \cdot 1}$

$\frac{4 \pm 4}{2}$

$n = 0/2 = 0$ não convem

$n' = \frac{8}{2} = 4$

6-

$\frac{(n-2) \cdot 180^\circ}{n} = \frac{3 \cdot 360^\circ}{n}$

$(n-2) \cdot 180^\circ = 3 \cdot 360^\circ$

$180n - 360 = 1080$

$180n = 1440$

$n = \frac{1440}{180}$

$n = 8$ octógono

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