

$$4) \text{ Soma } \hat{A}_{\text{ext}} = 360^\circ$$

$$| \text{ Soma } \hat{A}_{\text{int}} = (n-2) \cdot 180^\circ$$

$$5 \cdot 360 = (n-2) \cdot 180$$

$$1800 = 180n - 360$$

$$1800 + 360 = 180n$$

$$2160 / 180 = n$$

$$n = 12 \rightarrow \text{dodecágono}$$

$$5) d = 2d(2d-3)/2 \quad | \quad 4d-8=0$$

$$d = (4d^2 - 6d)/2 \quad | \quad 4d = 8$$

$$2d = 4d^2 - 6d$$

$$d = 8/4 = 2$$

$$4d^2 - 6d - 2d = 0$$

$$4d^2 - 8d = 0$$

$$d(4d-8) = 0$$

$$1 = 2 \cdot 2 = 4, \text{ visto que, } l = 2d$$

$$6) \hat{A}_{\text{int}} = 3 \cdot \hat{A}_{\text{ext}} \quad \text{e} \quad \hat{A}_{\text{ext}} = 360^\circ/n$$

$$180(n-2)/n = 3(360)/n$$

$$180n - 360 = 1080$$

$$180n = 1440$$

$$n = 1440/180 = 8$$

1etra C

## Tarefa básica

1)  $n^{\circ}$  lados = 12 =  $n$

→ ângulo externo:  $360^{\circ}/n$  | ângulo interno:  $(n-2) \cdot 180^{\circ}/n$

$$\hat{A}_{ext} = 360^{\circ}/12$$

$$\hat{A}_{ext} = 30^{\circ}$$

$$\hat{A}_{int} = (12-2) \cdot 180^{\circ}/12$$

$$\hat{A}_{int} = 1800/12$$

$$\hat{A}_{int} = 150^{\circ}$$

2)  $n^{\circ}$  lados = 20

Soma dos ângulos internos =  $(20-2) \cdot 180$

$$18 \cdot 180^{\circ} = 3240^{\circ}$$

3)  $\hat{A}_{int}$  = congruentes

$$\hat{A}_{int} = (n-2) \cdot 180 / n$$

$$\hat{A}_{int} = 180 \cdot (n-2) / n$$