

Larefa Básica

$$1-) a_e = \frac{360^\circ}{12} = 30^\circ$$

$$a_i = \frac{S_i}{m} = \frac{1800}{12} = 150^\circ$$

$$S_i = 180^\circ(12-2)$$

$$S_i = 1800^\circ$$

$$2-) S_i = 180^\circ(20-2)$$

$$S_i = 180^\circ \cdot 18$$

$$S_i = 3240^\circ$$

$$3-) a_i = \frac{S_i}{n} \rightarrow a_i = \frac{180^\circ(n-2)}{m}$$

$$4-) S_i = 55e$$

$$S_i = 5 \cdot 360^\circ$$

$$S_i = 1800^\circ$$

$$1800 = 180^\circ(n-2)$$

$$\frac{1800}{180} = n-2$$

$$10$$

$$n-2 = 10$$

$$n = 12$$

dodecágono

$$5-) m = 2d$$

$$m = m(m-3)$$

$$m-3 = 1$$

$$m = 4$$

$$6-) a_i = 3a_e$$

$$\frac{S_i}{m} = 3 \cdot \frac{360^\circ}{m}$$

$$m$$

$$m$$

$$180^\circ(n-2) = 1080^\circ$$

$$n$$

$$n$$

$$1080 = n-2 \rightarrow n-2 = 6$$

$$180$$

$$n = 8$$

octógono (C)