

01

$$\frac{n \text{ LADOS}}{n(n-3)} \quad \frac{n+3 \text{ LADOS}}{(n+3)(n+3-3)}$$

$$\frac{(n+3)n}{2} = \frac{n(n-3)}{2} + 21$$

$$\frac{n^2+3n}{2} = \frac{n^2-3n+42}{2}$$

$$6n = 42$$

$$n = 7$$

02

$$\frac{N_{\angle 90^\circ}}{2} - \frac{N_{\angle 90^\circ}}{2} = 19$$

$$\frac{n(n-3)}{2} - \frac{2(n-2)}{2} = 19$$

$$n^2 - 3n - 4n + 8 = 38$$

$$N_{\angle 90^\circ} = 2(n-2)$$

$$N_{\angle 180^\circ} = n-2$$

$$n^2 - 7n = 30$$

$$n(n-7) = 30$$

$$n = 10$$

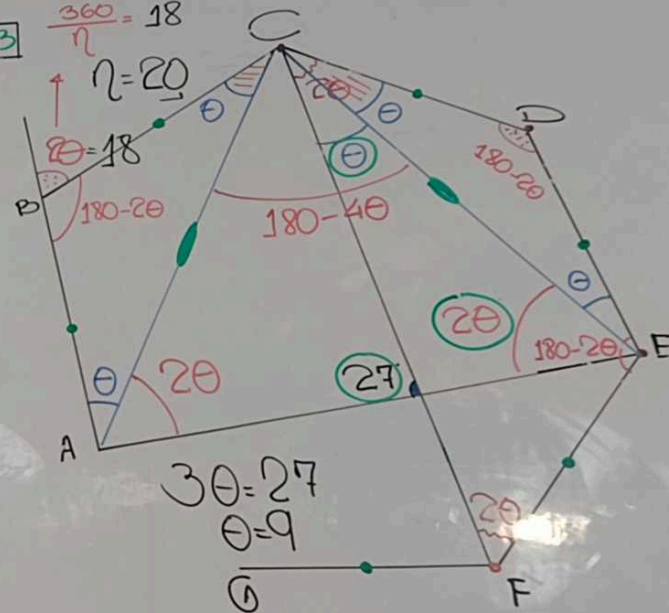
$$N_{\text{OT}} = \frac{n(n-1)}{2} = \frac{10(9)}{2}$$

$$45$$

03

$$\frac{360}{n} = 18$$

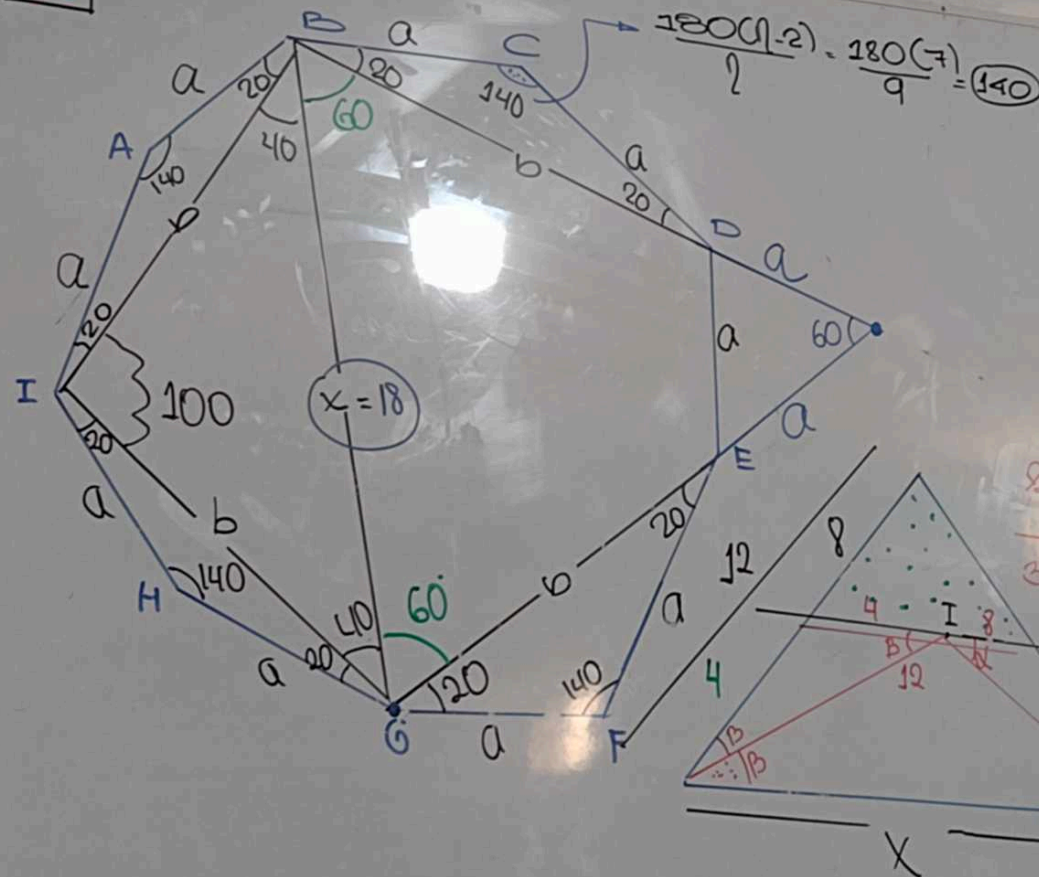
$$n = 20$$



04

04

$$a+b=18$$



05

| $n$ IADOS            | $2n$ IADOS             |
|----------------------|------------------------|
| $\frac{180(n-2)}{n}$ | $\frac{180(2n-2)}{2n}$ |

$$\frac{180(2n-2)}{2n} = \frac{180(n-2)}{n} + \frac{1}{18}$$

$$\frac{10(n-1)}{n} = \frac{10n-20+n}{n}$$

$$10n-10 = 10n-20+n$$

$$20-10=n$$

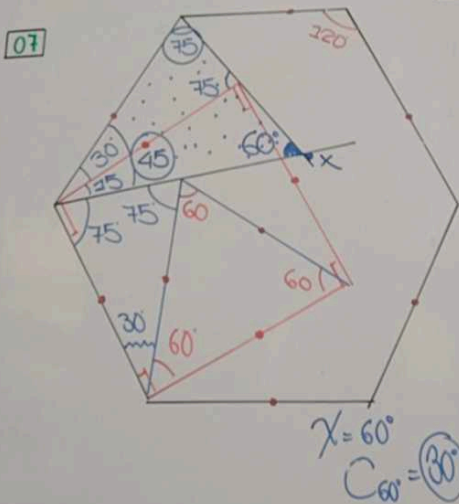
$$10=n$$

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

$$\frac{10(7)}{2} = 35$$

06  $ND = 4 \text{ Pair}$   
 $\frac{n(n-3)}{2} = 4 \cdot 4$   
 $(n=25)$

|    | Sint  | 14mm |
|----|-------|------|
| 3L | 180°  | 60°  |
| 4L | 360°  | 90°  |
| 5L | 540°  | 108° |
| 6L | 720°  | 180° |
| 8L | 1080° | 135° |



08.

$$N_D = \frac{(U+1)(U+2)}{2}$$

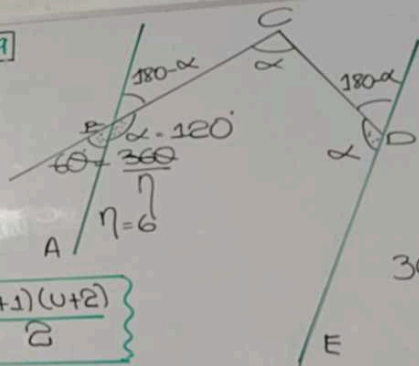
$$65 = 4n - \frac{5(6)}{2}$$

$$80 = 4n \rightarrow n = 20$$

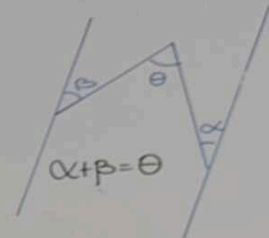
$$N_D = \frac{20(5) - (6)(7)}{2}$$

$$N_D = 79$$

$$\begin{aligned} \int_{\text{int}} &= 180(n-2) \\ &180(6-2) \\ &180(4) \\ &720 \end{aligned}$$



$$\begin{aligned} 360 - 2x &= x \\ 360 &= 3x \\ 120 &= x \end{aligned}$$



31

The diagram shows a triangle with a line segment parallel to its base. The left side is divided into three segments labeled  $a$ ,  $2a$ , and  $a$  from top to bottom. The top segment of the right side is labeled  $a$ , and the bottom segment is labeled  $E$ . The base of the triangle is labeled  $A$ .





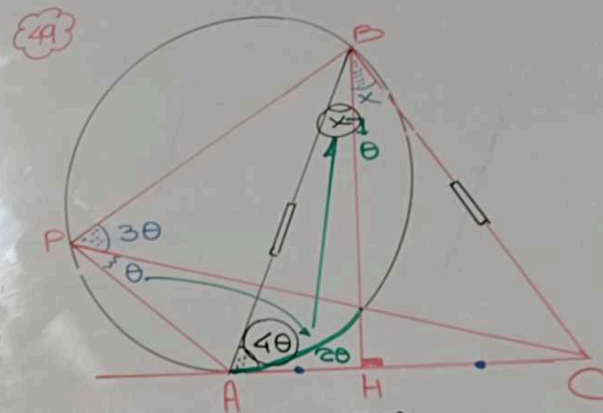

$$6 + b = 2x + a$$

$$6 + \cancel{a} + 4 = 2x + \cancel{a}$$

5 = X

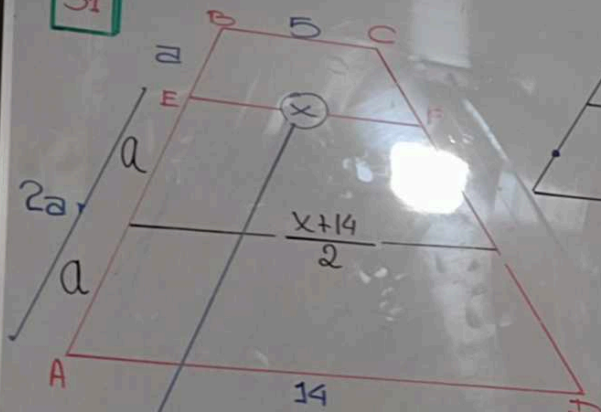
$$a+6=b+2 \quad (1)$$

$$a+4=b$$



$$5x = 90^\circ$$
$$x = 18^\circ$$

31



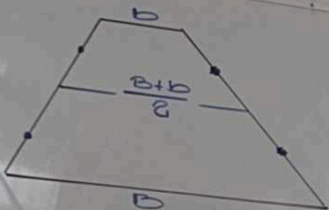
$$x = \frac{5 + \frac{x+14}{2}}{2}$$

$$2x = 5 + \frac{x+14}{2}$$

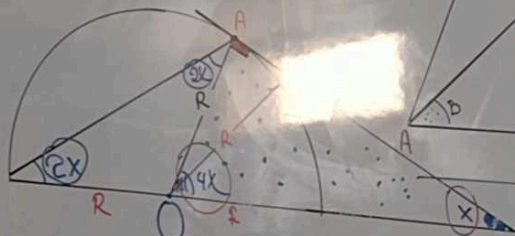
$$4x = 10 + x + 14$$

$$3x = 24$$

$$x = 8$$



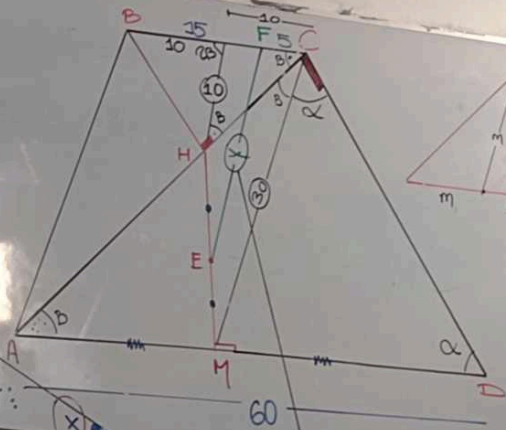
32



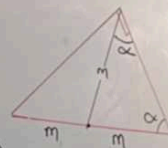
$$5x = 90$$

$$x = 18^\circ$$

30



$$x \cdot \frac{10+30}{2} = 100$$



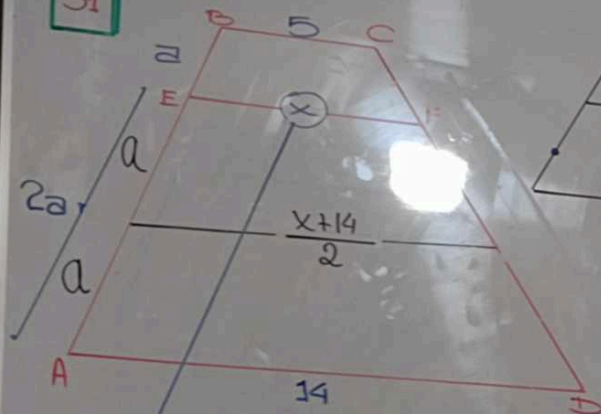
$$x + k = 5$$

$$\frac{5}{2} = \frac{5}{2}$$

$$C_6 = \{ -8, -1 \} \cup [8, 14]$$



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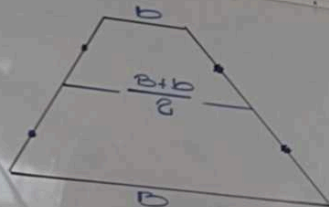
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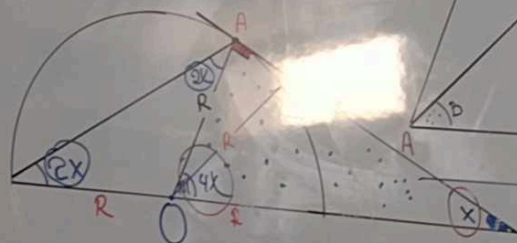
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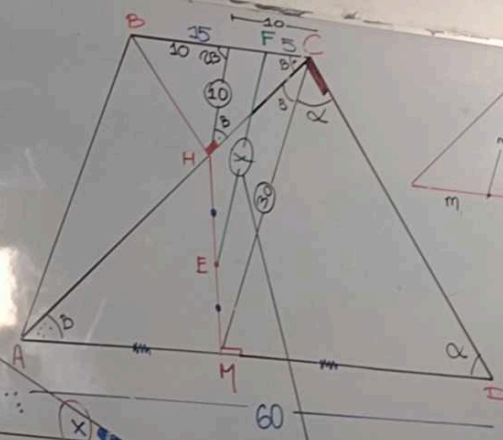
32



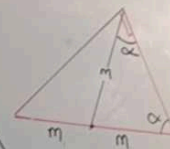
$$5x = 90$$

$$x = 18^\circ$$

33



$$x = \frac{10 + 30}{2} = 20$$



$$CS = [-8, -1] \cup [8, 17]$$