Tarefa Básica – Geometria Plana – Conceitos iniciais

01-

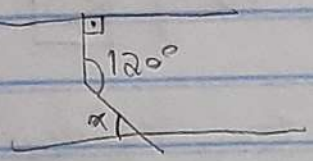
$180° = 60° + x°$

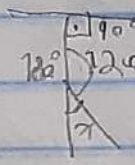
$180 - 60 = x$

$120° = x$

(C)

02-





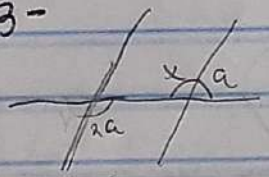
$120° = 90° + x°$

$120 - 90 = x$

$30° = x$

(B)

03-



$x = 2a$ então $a = x/2$ | $180° = x + (x/2) \cdot 2$

$360° = 2x + x$

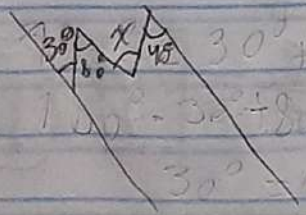
$360° = 3x$

$\frac{360}{3} = x$

$x = 120°$

(D)

04- R//S então



Consecutivos: $80°$ e x

$180° = 80° + x$

$100° = x$

05- suplementares

$x + y = 180°$

$x = (5/4)y$

$(5/4)y + y = 180°$

$(9/4)y = 180°$

$y = \frac{180}{(9/4)}$

$y = 80°$

$x + y = 180°$

$x + 80° = 180°$

$x = 100°$

(A)

06- $x + y = 90°$ | $x + \frac{x}{2} = 90° \cdot 2$ | logo, $y = 30°$

$y = \frac{x}{2}$ | $2x + x = 180°$ | (A)

$x = 60°$

07- Complemento $x + y = 90°$ | $90° - x$

Suplemento $x + y = 180°$ | $180° - x$

Então

$$3(90° - x) = \frac{180° - x}{3}$$

$$270° - 3x = \frac{180° - x}{3} \cdot 3$$

(E)

$$810° - 9x = 180° - x$$

$$8x = 810° - 180°$$

$$8x = 630°$$

$$x = \boxed{78},75°$$ Hum...