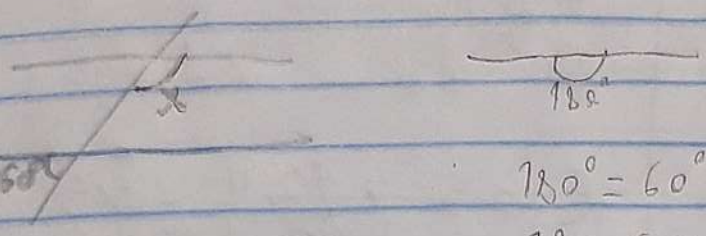
Tarefa Básica – Geometria Plana – Conceitos iniciais

01-



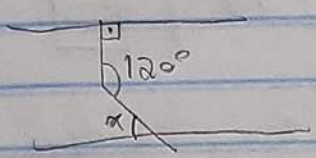
$180° = 60° + x°$

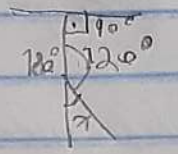
$180 - 60 = x$

$120° = x$

(C)

02-





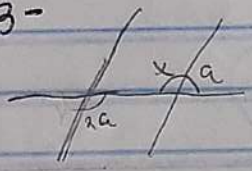
$120° = 90° + x°$

$120 - 90 = x°$

$30° = x$

(B)

03-



$x = 2a$ então $a = x/2$

$x = 120°$

$180° = x + (x/2) \cdot 2$

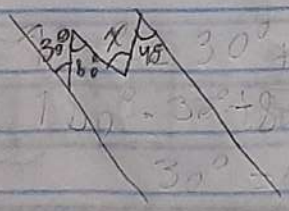
$360° = 2x + x$

$360° = 3x$

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

(D)

04- R//S então



Correspondentes: 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- $x+y=90°$ | $\frac{x+x}{2}=90°\cdot 2$ | 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...