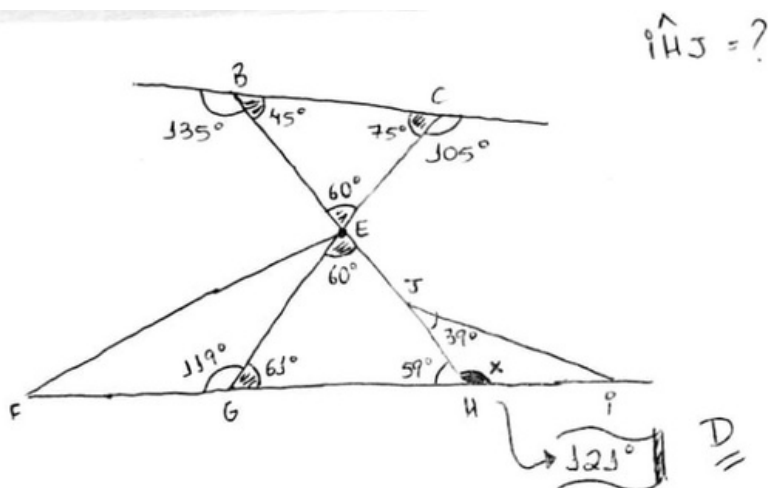


MIX 03 - MEU PROF

① Dica  $\alpha + \theta = 180^\circ$

ÂNGULOS SUPLEMENTARES

obs  180°



② 50 200 450 450 600
↓
MEDIANA

MODA - 450

$$\text{MÉDIA} = \frac{50 + 200 + 450 + 450 + 600}{5} = 350$$

$$\text{RAZÃO} \rightarrow \frac{\text{MEDIANA} + \text{MODA}}{\text{MÉDIA}} = \frac{900}{350} = \frac{18}{7} \quad A //$$

$$(3) \quad M = C(1+i)^t \Rightarrow M = 10000(1,015)^{12} = 10000[(1,015)^6]^2 = 10000(1,1)^2$$

$$M = \underline{12500} // D //$$

④ $P = \frac{\text{EVENTO}}{\text{ESPAÇO AMOSTRAL}} = ?$ EXCETO 100 - DINHEIRO 10 CHEQUE 27 CARTÃO 44 = 81

$$\Rightarrow P = \frac{27}{81} = \frac{1}{3} \quad D_{11}$$

⑤ REGRA DE 3

↓ BRAÇA = 12 PÉS

$$J_{UHNA} = \frac{BRACA}{2} = 6 \text{ PÉS}$$

BARCO CONSTRUÍDO

JULNA — 6 PÉS

X — 180 PÉS

$X = 30$ D_{11}

⑥ MAIOR VARIAÇÃO PERCENTUAL

$$\% = \frac{V_F - V_0}{V_0} = \frac{V_F}{V_0} - 1$$

$$\frac{150}{130} - 1 = 15\%$$

$$\frac{250}{200} - 1 = 25\%$$

$$\frac{180}{150} - 1 = 20\%$$

$$\frac{280}{250} - 1 = 12\%$$

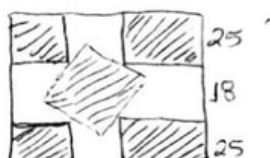
$$\frac{200}{380} - 1 = 35\%$$

130 — 100
 150 — X
 $X = 115\%$

$$\begin{array}{r} 200 - 100 \\ 250 - y \end{array}$$

$$Y = 125\%$$

7) $A_{\text{QUADRADO MAIOR}} - 5 \cdot A_{\text{QUADRADO CINZA}} = \text{REGIÃO BRANCA}$

$$68^2 - 5(25)^2 = 4624 - 3125 = 1499 \quad C //$$


8) $A \quad T = \frac{H^2 \cdot I \cdot D}{C \cdot E^2 \cdot V} \cdot K$

SE AUMENTAR AQUI, AUMENTA O T (DIRETO)

SE AUMENTAR AQUI, DIMINUI O T (INVERSO)

OBS: Os ALUNOS TROCAM...

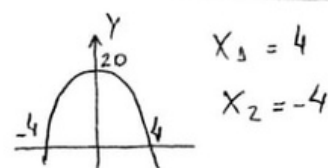
9) DICA DE OURO \rightarrow TESTAR OS PONTOS NAS ALTERNATIVAS !!!

X; Y 0,20 e 4,0

OBS $ax^2 + bx + c = 0$

DE CARA: a - NEGATIVO

c - 20



$y = a(x - x_1)(x - x_2)$

D //

10) MAGNIFICUS - 25m

TOPA: - 13m

OU

13 — 100%

25 — X

$X \cong 192\%$

CERCA DE 90% MAIOR! B //

$\frac{25}{13} - 1 \cong 92\%$

11) PRODUTO LIVROS (100)

DIAS	ALUNOS	H/d	LIVROS (100)
3	20	3	50
2	30	X	50

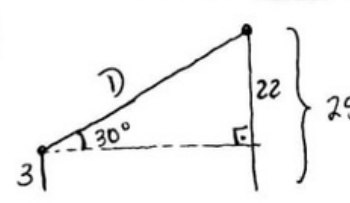
MODO 01

$$\frac{3}{X} = \frac{2}{3} \cdot \frac{30}{20} \cdot \frac{50}{50} \Rightarrow X = 3 \quad C //$$

MODO 02

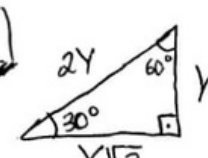
$$3 \cdot 20 \cdot 3 \cdot 50 = 2 \cdot 30 \cdot X \cdot 50 \Rightarrow X = 3$$

12)

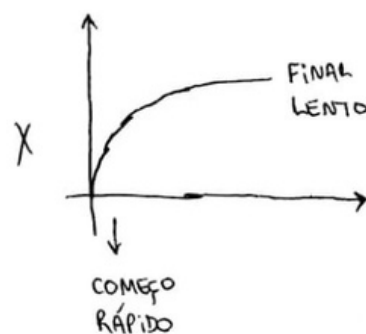
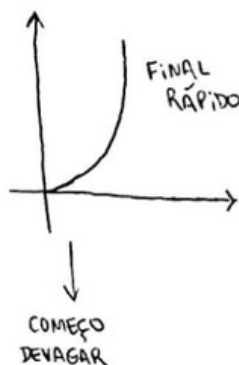


$\text{SEN } 30^\circ = \frac{22}{D} = \frac{1}{2} \Rightarrow D = 44$

OBS



13)



LETRA D //

14

F - FEMININO
M - MASCULINO

$$\frac{F}{M} = \frac{6}{7} \quad \text{--- DEVE FICAR}$$



HOJE

$$\frac{F}{M} = \frac{9}{14}$$

$$F + M = 230$$

$$\frac{9}{14} \cdot M + M = 230$$

$$\frac{23M}{14} = 230 \Rightarrow M = 140$$

$$F = 90$$

$$\frac{F}{M} = \frac{6}{7} \Rightarrow$$

$$\frac{90+X}{140} = \frac{6}{7}$$

$$90 + X = 120$$

$$\underline{X = 30} \quad B //$$

15

SOZINHO

2000 PAN — 10 CLIENTES

X — 50

X = 10 000 PAN

COM AJUDA

15 000 PAN — 30 CLIENTES

Y — 50

Y = 25 000 PAN

\Rightarrow DIFERENÇA DE
15 000 C //