ATIVIDADES DE OUTUBRO - TIGONOMETRIA

TEOREMA DE TALES - PAG 238
MNR AX+1 \$4 4(5x-1)=6(2x+1
1- 5x-1 6 20x-4= 12x +6
20x-10x-6+4
18 V
5x-1
2- 12 x 12 = 6 x = 8 + 10
12/ 6 u × 8 y 10
×/ 8 x 6x=10.8 16-8
y/ \10 + x=16 9 10
-m 10.16 = 8 cg
g = 20
X.y=16.20=320
3-18-1
$\frac{1}{40}$ $\frac{1}{20}$ $\frac{1}{80}$ $\frac{1}{80}$ $\frac{1}{90}$ $\frac{1}{180}$ $\frac{1}{90}$ $\frac{1}{180}$ $\frac{1}{90}$ $\frac{1}{180}$ $\frac{1}{90}$
40 20 26 70 80 90 180 90
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
1/- 20
OP=5 035 00-X EMELHANGA DE TRIÁNGULOS - PAG 243
EMECHANCA DE INIANGULOS - PAG MAS
$\frac{4}{2} \times -1 = \times +3$
3(x-1) = 2(x+3)
3x-3=2x+6
$\frac{3x-2x-6+3}{3x-2x-6+3}$
$\times = 9$

SON * * . SON
5- Secaltura - X 3-4 - 31 am 3203
Symbol 10 0,6
P 3 A 0,6X = 1,12
POSTE = 12 m X = 12.10
BAST AO = 0.6 m
X = 120 + 20 m
$C \rightarrow C \rightarrow$
6- AD = 10 AB = AB BC = B'C' $AD AD' AD AD'$
70 AU
$\frac{2 - AB}{10 - 13} = \frac{3 - B'C'}{10 - 13}$
10 AB'= 2.13 10.BC = 3.13
AB' = 26 $BC' = 39$
$AB^2 = 2.6 \text{ cm}$ $B^2C^2 = 3.9 \text{ cm}$ - E
$\frac{(c D = c'D)}{AD} \frac{5}{AD} = \frac{c'D'}{10} \frac{10 c'D' = 5.13}{(c'D) = 6.5 cm}$
AD AD' 10 13 C'D'=6,5 cm
SEMELHANÇA DE TRIÂNGULOS - PAG 243
9-1) AC = BC 1) AB = BC
11) MO NO 11) MN NO
$\frac{7}{N} = \frac{15^{13}}{18^{13}} \qquad 8 = \frac{15^{13}}{18^{13}}$
5. N = 7.6 5.0 = 8.6
N = 8,4 cm $0 = 9,6 cm$

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10 - AB = BC - 15 = 20 + 20x = 15.15 - 225 +x= 11/0
   ED DC
   AC = BC + 25 = 20 + 20y = 25.15 + by = 375 + 13,75
             R = P1 R = 33 15
P2 105:3
 11- P1= 35
                        R = 1
13+. At 30% 20 25 XXX A 1 201 (34 X ) = 2 1 4 7 3 M 7 3 0 3 4 3 3 9
     11 CB 8 96-12x=48 843 249-20.
                       -12x = -48
                      × = -48 +7 4
\frac{14-1}{11} = \frac{2x}{15} = \frac{15-x}{2} = \frac{2x-15-x}{2x+x-15}
     2x = 15 - x 3x = 15 + 7x = 15 + 5x = 3 2x = 2,5 = 10
15 - 1000 \times A = 50 \quad 10 = x
T = 120 \quad 50 \quad 120
               50 x = 10, 120
                X = 1200 -17 x = 24 m
16-2=12-x 12 = 6 + 12.x=6(12-x)+12x-72-6x(4)
 y=6-x 12-x x
               12x+6x=72+018x=72+0x=72/
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17- 1 x = 6-x 116 3 3.x=6,(6-x) 3x = 36 - 6x 3x+6x=36 9x = 36 x = 36 + x = 4 RELAÇÕES MÉTRICAS NOTRIÂNGULOS RETÂNG LOS - PAG 248 $27 - 15^2 = x^2 + 12^2$ $225 = x^2 + 144$ 15. 2 = 12.12 225-144 = X2 2=12,12 Z=48=9,6 X= 9 9 = 13 AC = 15 g 12 w+z=15 $\frac{15y}{9} = 9.12$ w + 9.6 = 15 y = 9.12 w = 15 - 9.6W = 5, 4 g=36=7,2 28 - b = 20 b = 15 c = 20 $b^2 = 15.20$ $b^2 = 5.13$ $c^2 = 5.20$ b= \$300 h= \$75 c= \$100 b=10 \(\sqrt{3} \) h=5 \(\sqrt{3} \)

$\frac{29-\chi^{2}=(3\sqrt{2})^{2}+(\sqrt{7})^{2}}{(4^{2}-9)^{2}+7} = \frac{AB}{AB} = \frac{AC}{AB}$
42=92+7 AM AB
$y^2 = 9.2 + 7$ AM AB $y = 5$
$\frac{g}{g} = \sqrt{25} \qquad 3\sqrt{2} = 5$ $\sqrt{3}\sqrt{2}$
$g = 5$ $g = 3\sqrt{2}$ $5y = (3\sqrt{2})^2$
9 - 9 7
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
9-10
V7 = 5 C 3V2 (3) BC - AC
SC-3V2, V+
$C = 3\sqrt{19}$ $\sqrt{7} = 5$ \times $\sqrt{7}$
5X=(V7)2-17X=7
2
30- x = 9 X+4=10 HIPOTENUSA:
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\frac{16}{x=9.32^{2}} \frac{9y+16y=160}{16} \frac{18}{5} \alpha$
. 155
1
$X = 18$ $y = 160^{-3} = 32$ 8 25^{-5} 5 $2^2 = 36$ $450 = 1726 = 3$
25^{15} 5 $a^2 = 36 + 2 = \sqrt{36} = \sqrt{36}$
$\frac{b - 10}{32} b \cdot b = 16 \cdot 32$
32 6
$\frac{5}{b^2} = 64$
b= \(\sqrt{64} = 8

31- apór 2 kras

A + distância + DA = 40 km

(VA = 20 km/h)

B + distância + DB = 50 km

(VB = 25 km/h)

PITÁ GORAS

X²= 40² + 50²

X²= 1600 + 2500

X= 100,91

X= 10√91 km