

1

Tarefa Básica

$$H^2 = \sqrt{3^2} + \sqrt{4^2}$$

$$H^2 = 3^2 + 4^2$$

$$H^2 = 7$$

$$H = \sqrt{7}$$

Triângulo retângulo.

- (a) $\sqrt{8}$ (b) $\sqrt{7}$ (c) $\sqrt{9}$ (d) $\sqrt{5}$
 (e) $\sqrt{13}$

2 A escada forma triângulo retângulo onde a escada como hipotenusa e x a altura com base 6 m

Angulo assim:

$$x^2 + 6^2 = 10^2$$

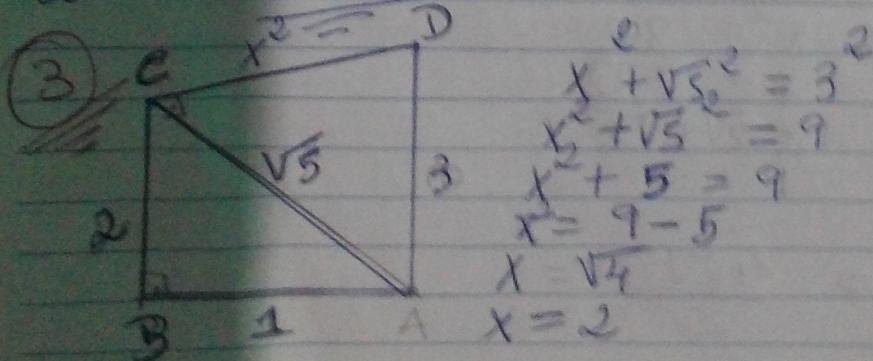
$$x^2 + 36 = 100$$

$$x^2 = 100 - 36$$

$$x = \sqrt{64}$$

$$x = 8 \text{ m}$$

~~(a)~~ A altura em metros alcançada pela escada é de 8 metros



$$h^2 = a^2 + b^2$$

$$h^2 = 1^2 + 2^2$$

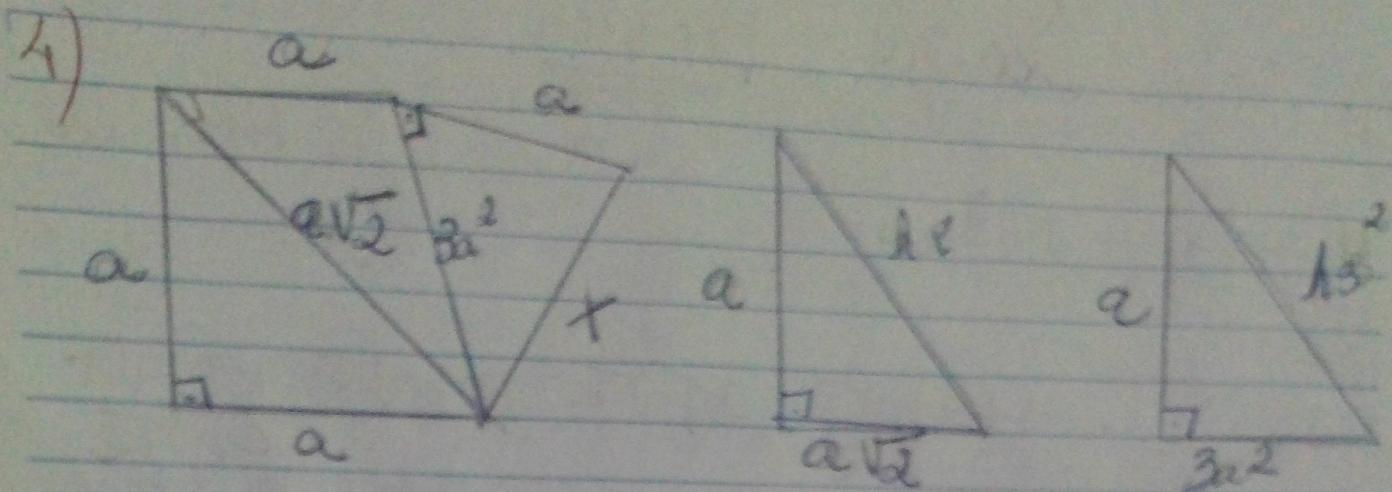
$$h^2 = 1 + 4$$

$$h^2 = 5$$

$$h = \sqrt{5}$$

- (a) 1 (b) 2 (c) 3 (d) 4 (e) 5

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$$l_1^2 = a^2 + a^2$$

$$l_1 = \sqrt{2}a$$

$$l_1 = a\sqrt{2}$$

$$l_2^2 = a^2 + (a/\sqrt{2})^2$$

$$l_2^2 = a^2 + a^2/2$$

$$l_2^2 = a^2 + 2a^2/2$$

$$l_2^2 = 3a^2$$

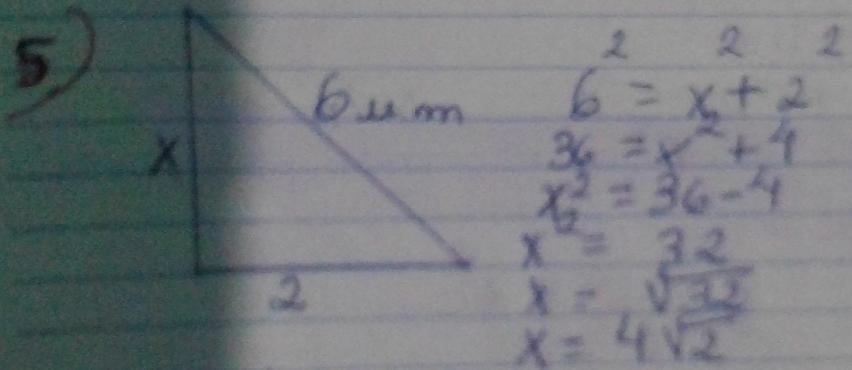
$$l_3^2 = a^2 + 3a^2$$

$$l_3^2 = 4a^2$$

$$l_3^2 = \sqrt{5}a^2$$

$$l_3 = \sqrt{4}a$$

$$l_3 = \underline{\underline{2a}}$$



S_A h.t.

$$S_A = \frac{1}{2} \cdot 4\sqrt{2} \cdot 2 = \frac{4\sqrt{2}}{2}$$

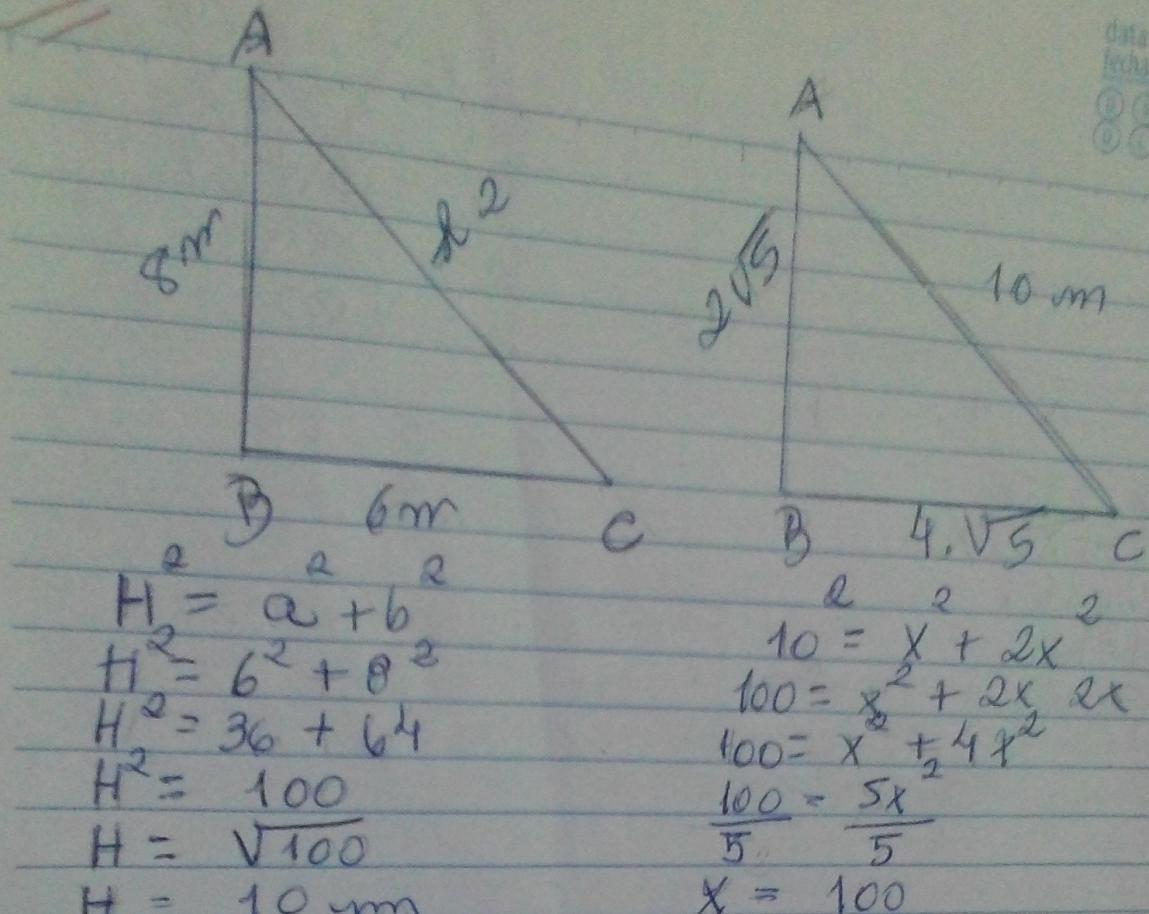
$$S_A = 2\sqrt{2}$$

741.672 (3) 4 ~~1702~~ (1) 3 161.86

06/

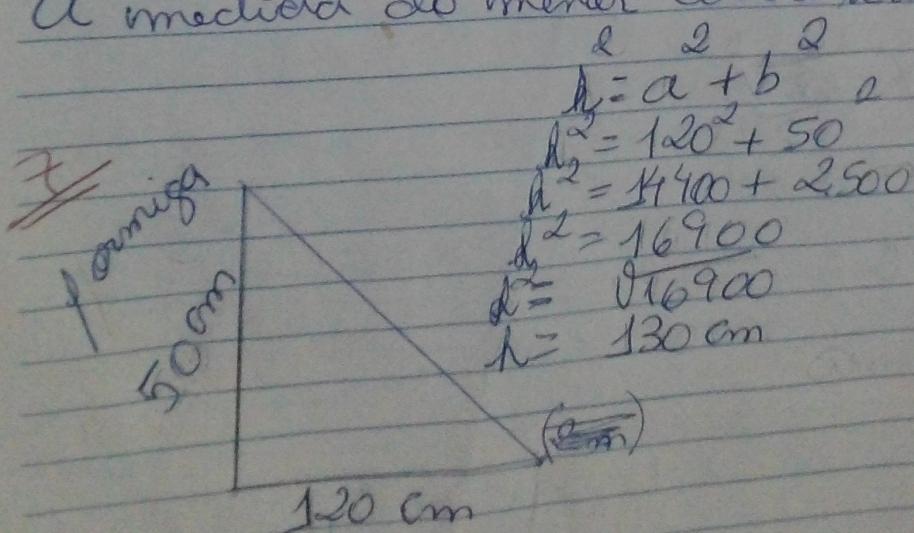
data
fecha

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$$\begin{aligned}10 &= x + 2x \\100 &= x^2 + 2x^2 \\100 &= x^2 + 4x^2 \\100 &= 5x^2 \\x &= \frac{100}{5} \\x^2 &= \sqrt{2} \\x &= 2\sqrt{5}\end{aligned}$$

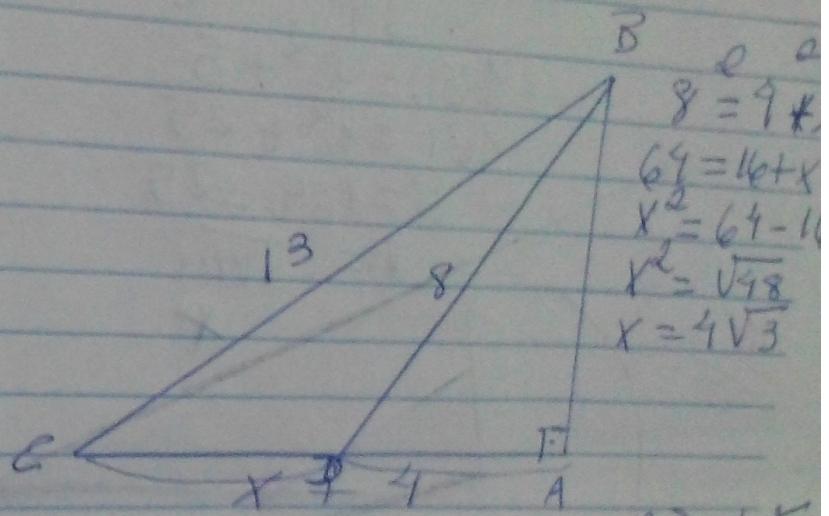
A medida do menor cateto sera $2\sqrt{5}$



~~+ amiga~~
aranha
120 cm que é igual 1,3 m

data
 fecha
 0 1 2 3 4 5 6 7
 8 9 M M M M

~~8/11.~~

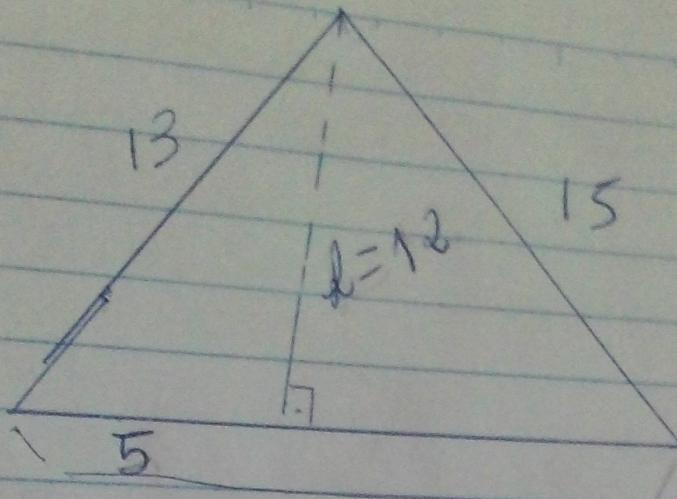
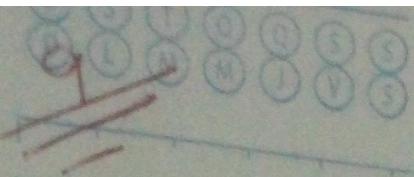


$$AB = 4\sqrt{3}$$

$$CD = x - 4$$

$$\begin{aligned}
 13^2 &= 16.3 + x^2 \\
 169 &= 48 + x^2 \\
 x^2 &= 169 - 48 \\
 x^2 &= -\sqrt{121} \\
 x &= 11
 \end{aligned}$$

$$\begin{aligned}
 CD &= x - 4 \\
 CD &= 11 - 4 \\
 CD &= 7 \text{ m}
 \end{aligned}$$



$$13^2 = h^2 + x^2$$

$$169 = h^2 + x^2$$

$$15^2 = h^2 + (14-x)^2$$

$$225 = h^2 + 96 - 28x + x^2$$

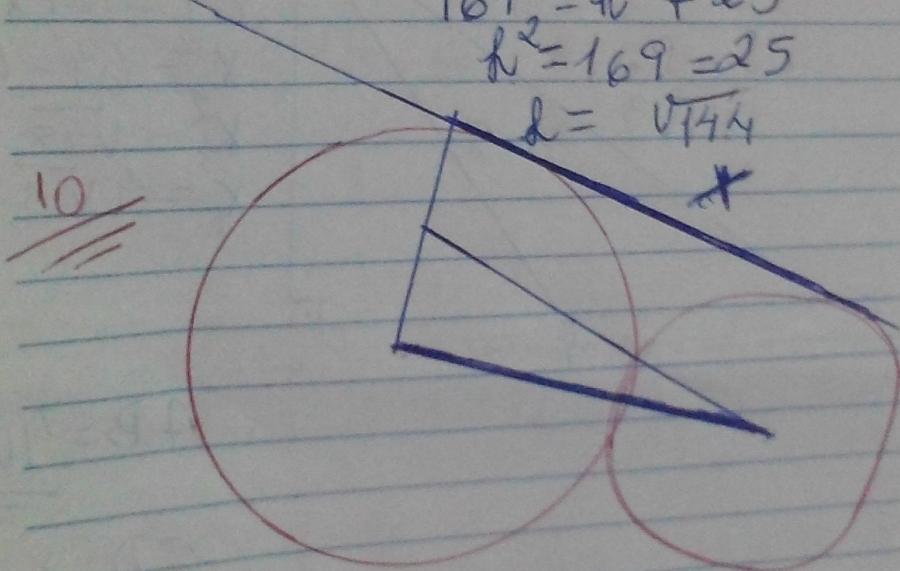
$$-169 = h^2 - x^2$$

$$56 = 196 - 28x$$

$$196 - 56 = 28x$$

$$x = \frac{140}{28}$$

$$x = 5$$



$$(x+r)^2 = x^2 + (x-r)^2$$

$$(x+r)^2 = x^2 + (x-r)^2$$

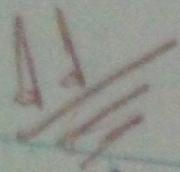
$$r^2 + 2xr + r^2 = x^2 + x^2 - 2xr + r^2$$

$$2xr = x^2 - 2xr$$

$$4xr = x^2$$

$$2\sqrt{xr} = x$$

data
 fecha
 D S J V M J
 U L M H J



$$(h^2) = a^2 + b^2$$

$$(h^2) = (AC)^2 + (AB)^2$$

$$(h^2) = 1600 + 900$$

$$(h^2) = 2500$$

$$h = \sqrt{2500}$$

$h = (AC) = 50$ (hipotenusa do triângulo ABC)

$$CE = x \quad | \quad CD = c = 20$$

$$AC = 50 \quad | \quad AC = a = 50$$

$$CD = 20$$

$$c^2 = a \cdot m$$

$$(20)^2 = 50m$$

$$50m = 400$$

$$m = 400/50$$

$$m = 8$$

$$CE = 8$$