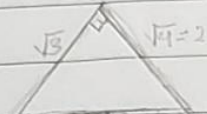

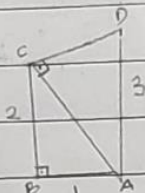
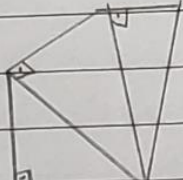


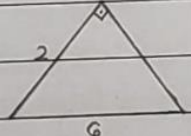
## Tarefa Básica

01-   $a^2 = (\sqrt{3})^2 + 2^2$   
 $a = \sqrt{7}$  (B)

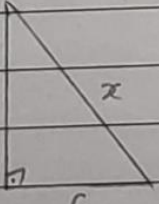
02-   $10^2 = 6^2 + x^2$   
 $x = \sqrt{64} = 8$   $x = 8m$

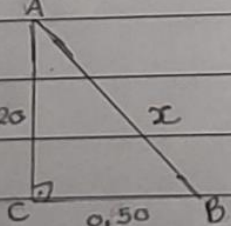
03-   $x^2 = 2^2 + 1^2$   $3^2 = (\sqrt{5})^2 + x^2$   
 $x = \sqrt{5}$   $x = \sqrt{4}$   
 $x = 2$  (B)

04-   $a^2 = a^2 + a^2$   
 $a = \sqrt{2a^2}$  (B)  
 $a = 2a$

05-   $6^2 = 2^2 + c^2$   $A = 2 \cdot 4\sqrt{2}$   
 $c = \sqrt{32}$   $c = 4\sqrt{2}$   $A = 4\sqrt{2}$  (C)

$$\begin{array}{r|l} 32 & 2 \\ 16 & 2 \\ \hline 8 & 2 \\ 4 & 2 \\ \hline 2 & 2 \\ 1 & \end{array}$$

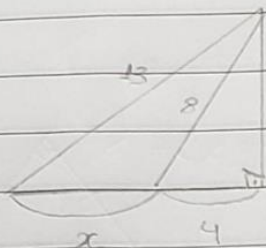
06-   $x^2 = 8^2 + 6^2$   $10^2 = 6^2 + 8^2$   
 $x = \sqrt{100}$   
 $x = 10$

07-   $x^2 = 1,20^2 + 0,50^2$   
 $x = \sqrt{1,69}$   
 $x = 1,30m$

$A = 5 \times 16cm = 80cm = 0,80m \rightarrow 2,00 - 0,80 = 1,20m$  (B)

$B = 5 \times 10 = 50cm = 0,50m$

08-



$$13^2 = x^2 + 8^2$$

$$x^2 = 48$$

$$48 + (x+4)^2 = 15^2$$

$$x^2 + 8x + 16 + 48 = 225$$

$$x^2 + 8x + 64 = 225$$

$$x^2 + 8x - 161 = 0$$

$$x = \frac{-8 \pm \sqrt{64 + 644}}{2}$$

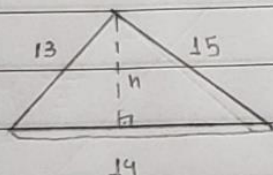
$$x = 7 \vee x = -15$$

$$x = 7 \text{ m}$$

$$x = 7 \text{ m}$$

(D)

09-



$$15h = 13 \cdot 14$$

$$h = 12$$

$$10 - x^2 = (r+r')^2 - (r-r')^2$$

$$x^2 = r^2 + 2rr' + r'^2 - r^2 + 2rr' - r'^2 = 4rr'$$

$$x^2 = 4rr'$$

$$x = 2\sqrt{rr'}$$

$$11 - x^2 = 40^2 + 30^2$$

$$x = \sqrt{2500}$$

$$x = 50$$

$$20^2 = 50h$$

$$h = 8$$

(C)