1.

$(\sqrt{3})^2+(\sqrt{4})^2=x^2$

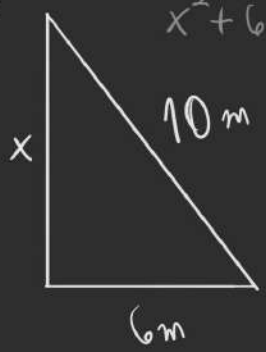
$3+4=x^2$

$x^2=7$

$x=\sqrt{7}$

B

2.



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

$x^2=100-36$

$x=\sqrt{64}$

$x=8$ $x=8$ metros.

3.

$x^2+\sqrt{5}^2=3^2$

$x^2=4$

$x=2$

B

$1^2+2^2=y^2$

$y=\sqrt{5}$

4.

$x^2=(a\sqrt{3})^2+a^2$

$x^2=3a^2+a^2$

$x=2a$

B

5. $6^2=2^2+x^2$

$x=\sqrt{32}$

$x=4\sqrt{2}$

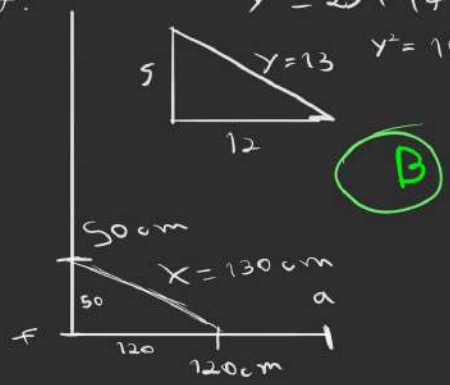
area $=\frac{4\sqrt{2}\cdot 2}{2}$

Area $=4\sqrt{2}$ C

32	2
16	2
8	2
4	2
2	2
1	

6. Não entendi o enunciado.

7.

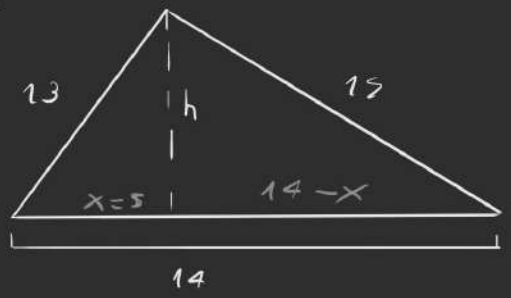


$y^2=25+144$

$y^2=169$

B

9.



$h^2=13^2-x^2 \Leftrightarrow h^2=169-25$

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

$13^2-x^2=15^2-(14-x)^2$

$(14-x)\cdot(14-x)=225+x^2-169$

$196-28x+x^2=56+x^2$

$140=28x$

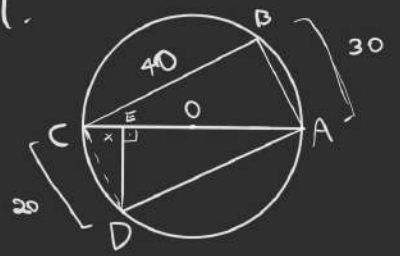
$x=\frac{140}{28}=\frac{70}{14}=\frac{35}{7}=5$

$h^2=144$

$h=12$

10. Não consegui.

11.



Não consegui.