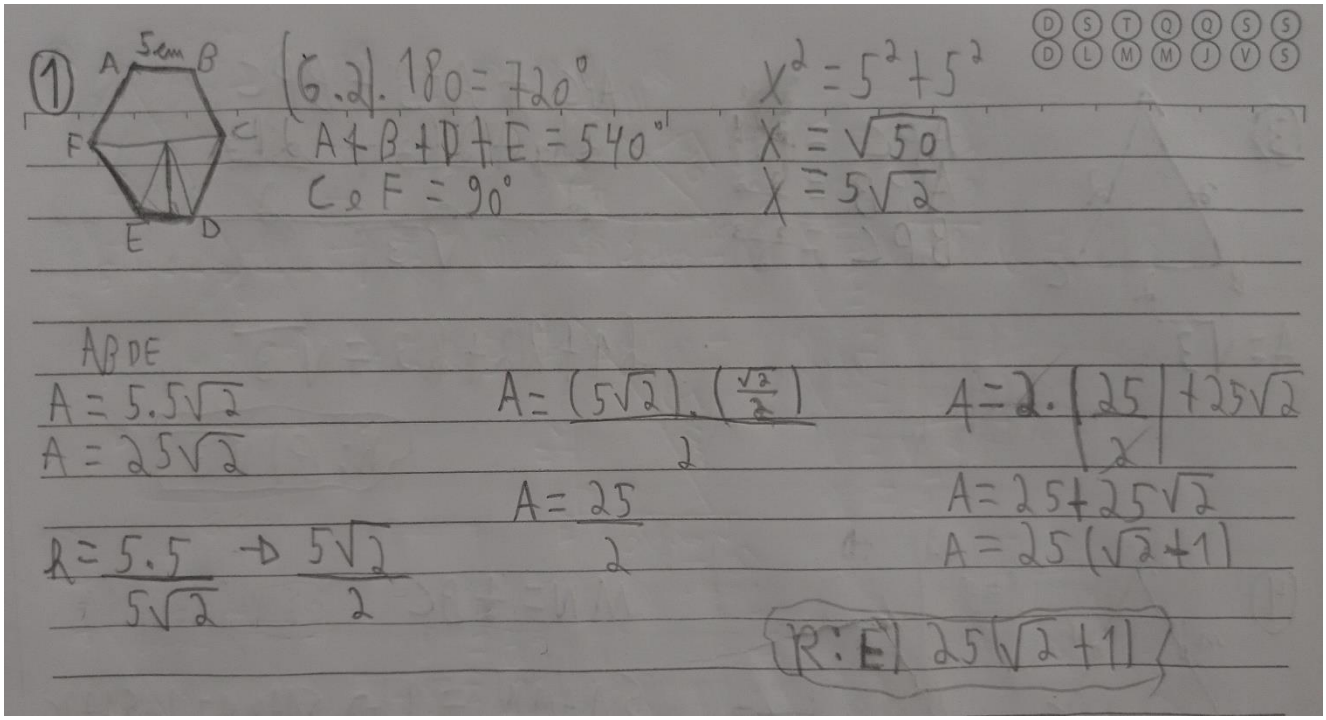
João Batista Rufino da Silva Junior. CTII 350.

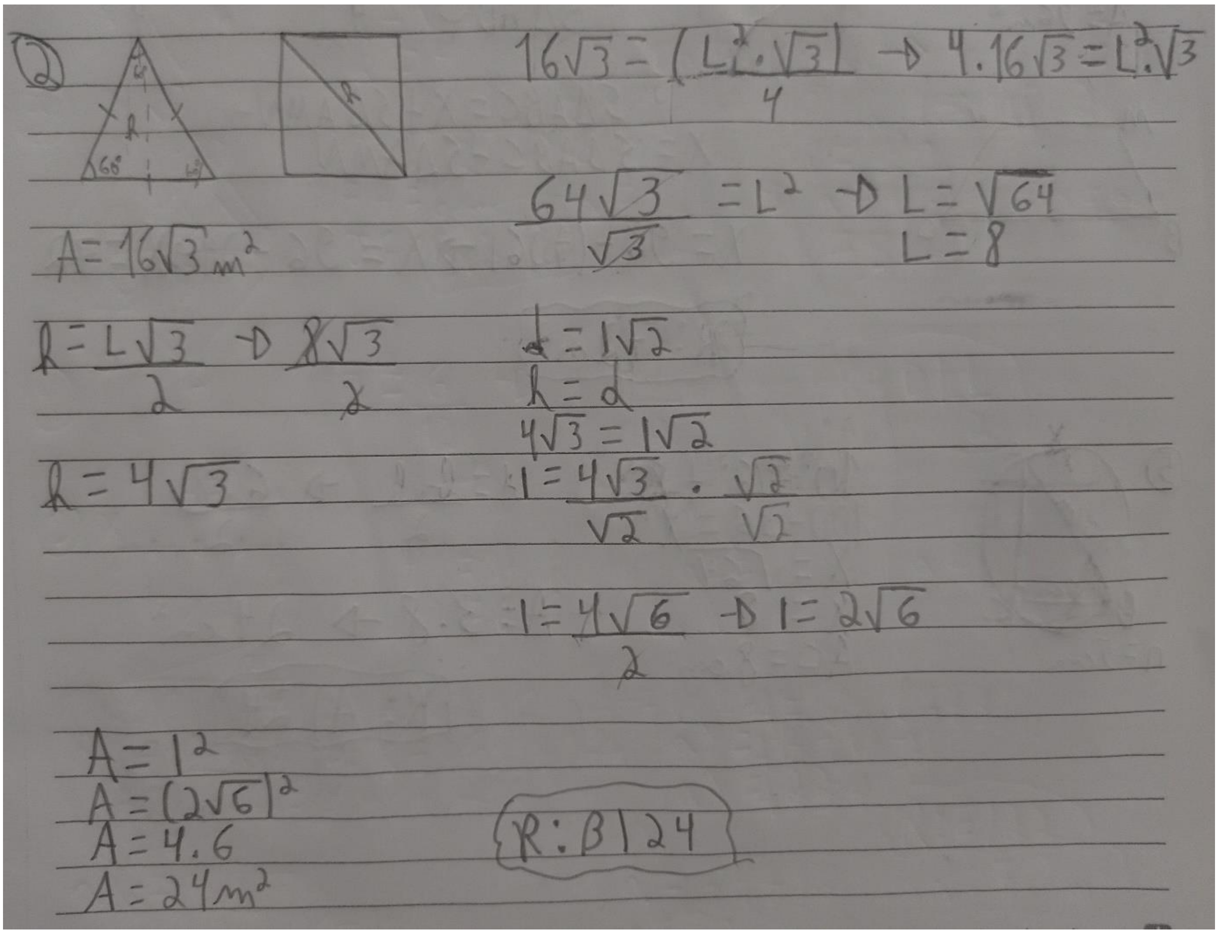
Áreas de Polígonos:

1.



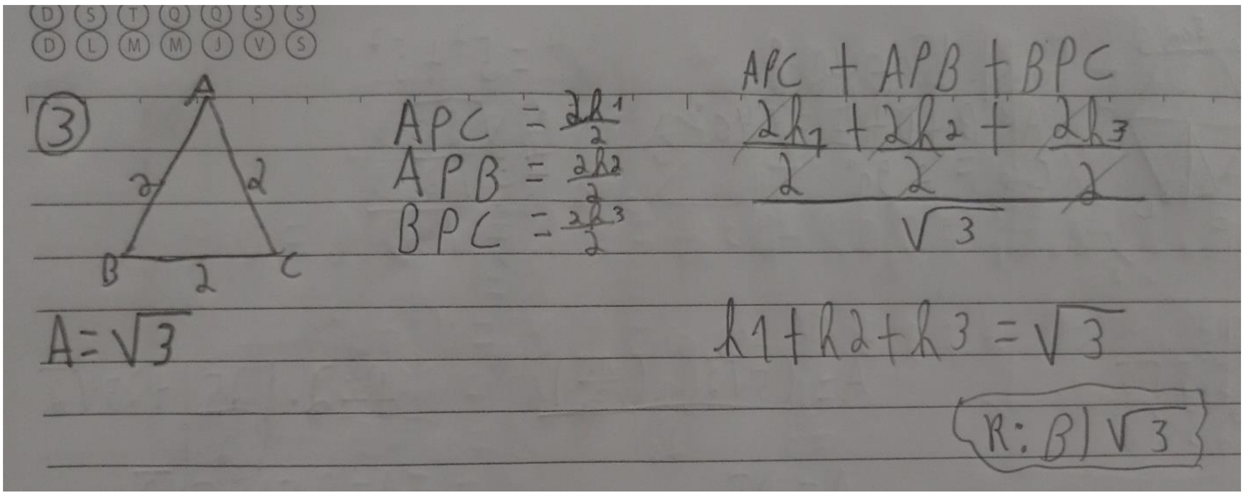
R: e) 25(√2+1)

2.


2
60°
60°
16√3 = (L²·√3) / 4 → 4.16√3 = L².√3
64√3 / √3 = L² → L = √64
L = 8
A = 16√3 m²
h = L√3 / 2 → 8√3 / 2
h = 4√3
d = l√2
h = d
4√3 = l√2
l = 4√3 / √2 · √2 / √2
l = 4√6 / 2 → l = 2√6
A = l²
A = (2√6)²
A = 4.6
A = 24m²
R: B) 24

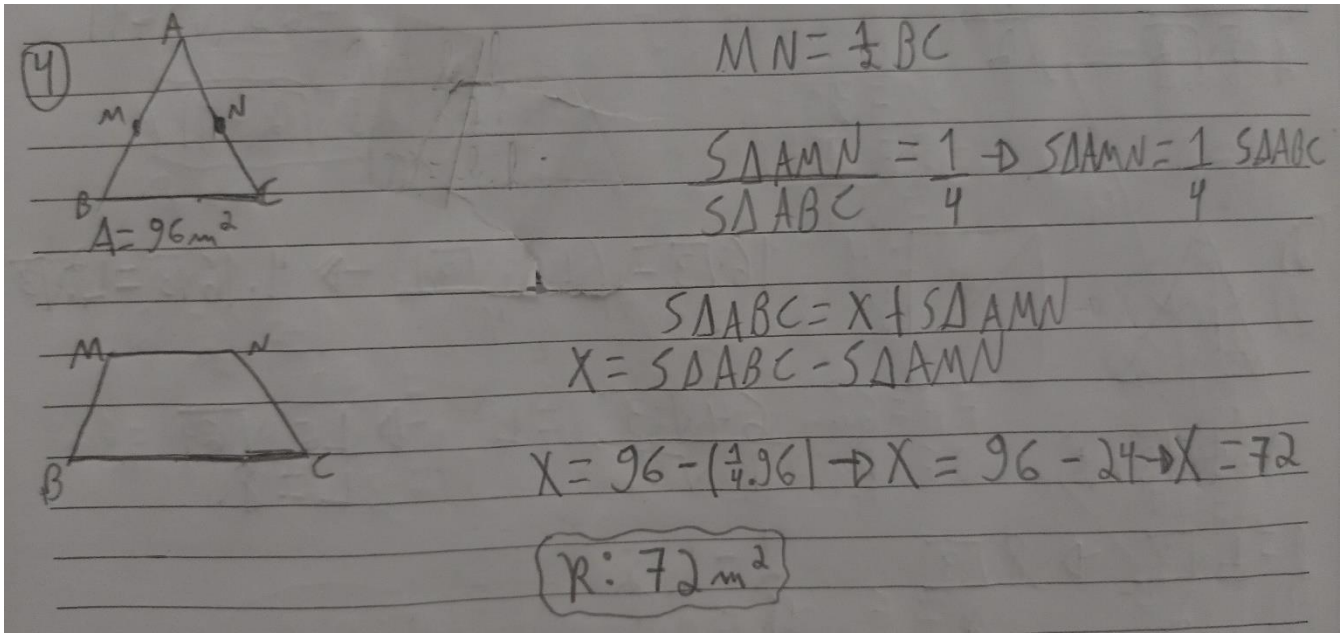
R: b) 24

3.


3
A
2
2
B
2
C
A = √3
APC = 2h1 / 2
APB = 2h2 / 2
BPC = 2h3 / 2
APC + APB + BPC
2h1 / 2 + 2h2 / 2 + 2h3 / 2
√3
h1 + h2 + h3 = √3
R: B) √3

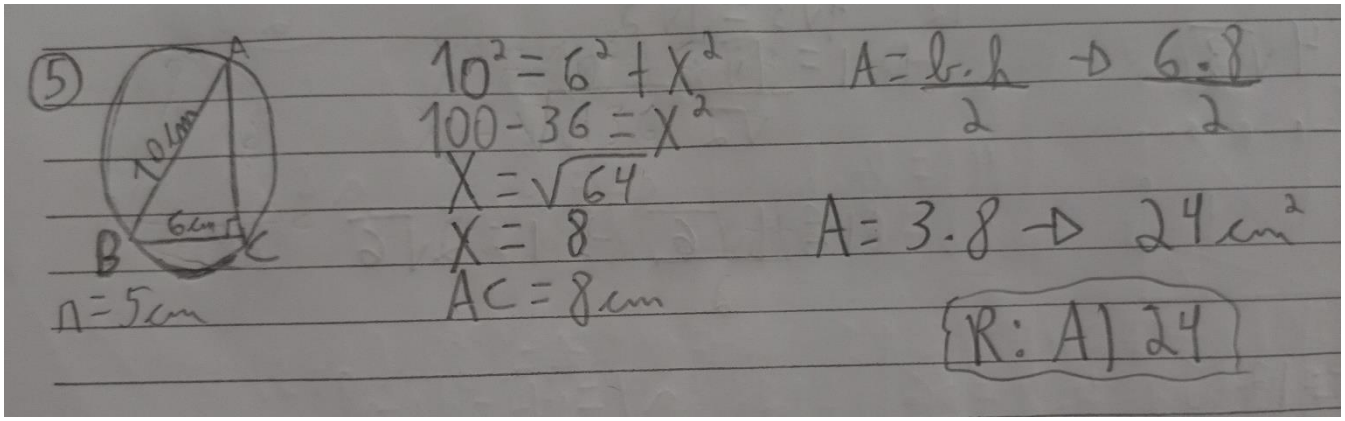
R: b) √3

4.



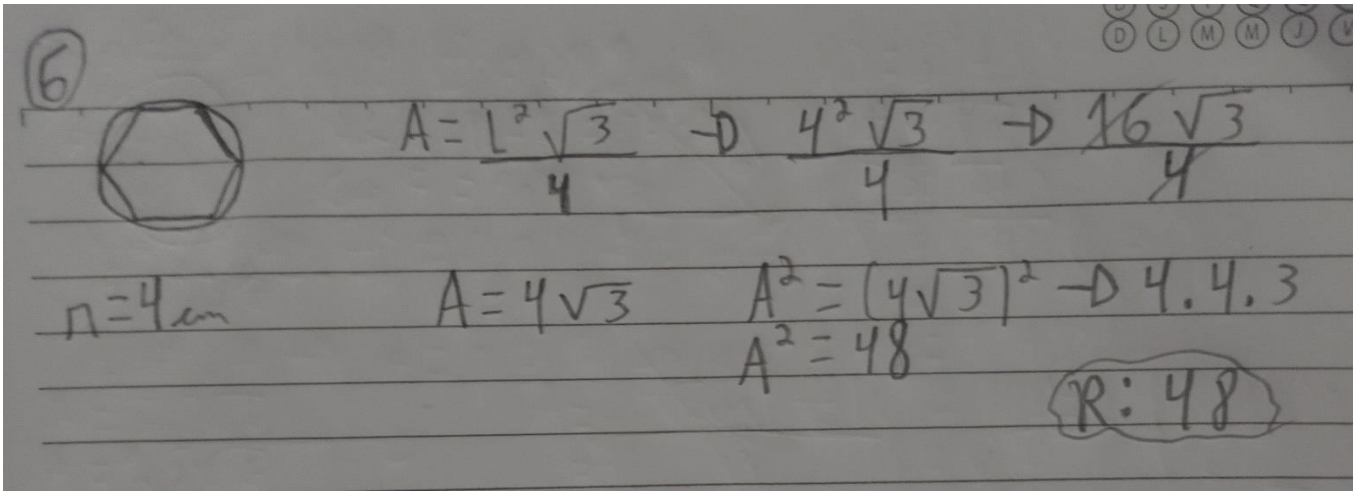
R: 72m²

5.



R: a) 24

6.


6
$A = \frac{L^2\sqrt{3}}{4} \rightarrow \frac{4^2\sqrt{3}}{4} \rightarrow \frac{16\sqrt{3}}{4}$
$L = 4\,cm$
$A = 4\sqrt{3}$
$A^2 = (4\sqrt{3})^2 \rightarrow 4.4.3$
$A^2 = 48$
R: 48

R: 48