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**Disciplina:** Matemática

IFSP - Câmpus Cubatão

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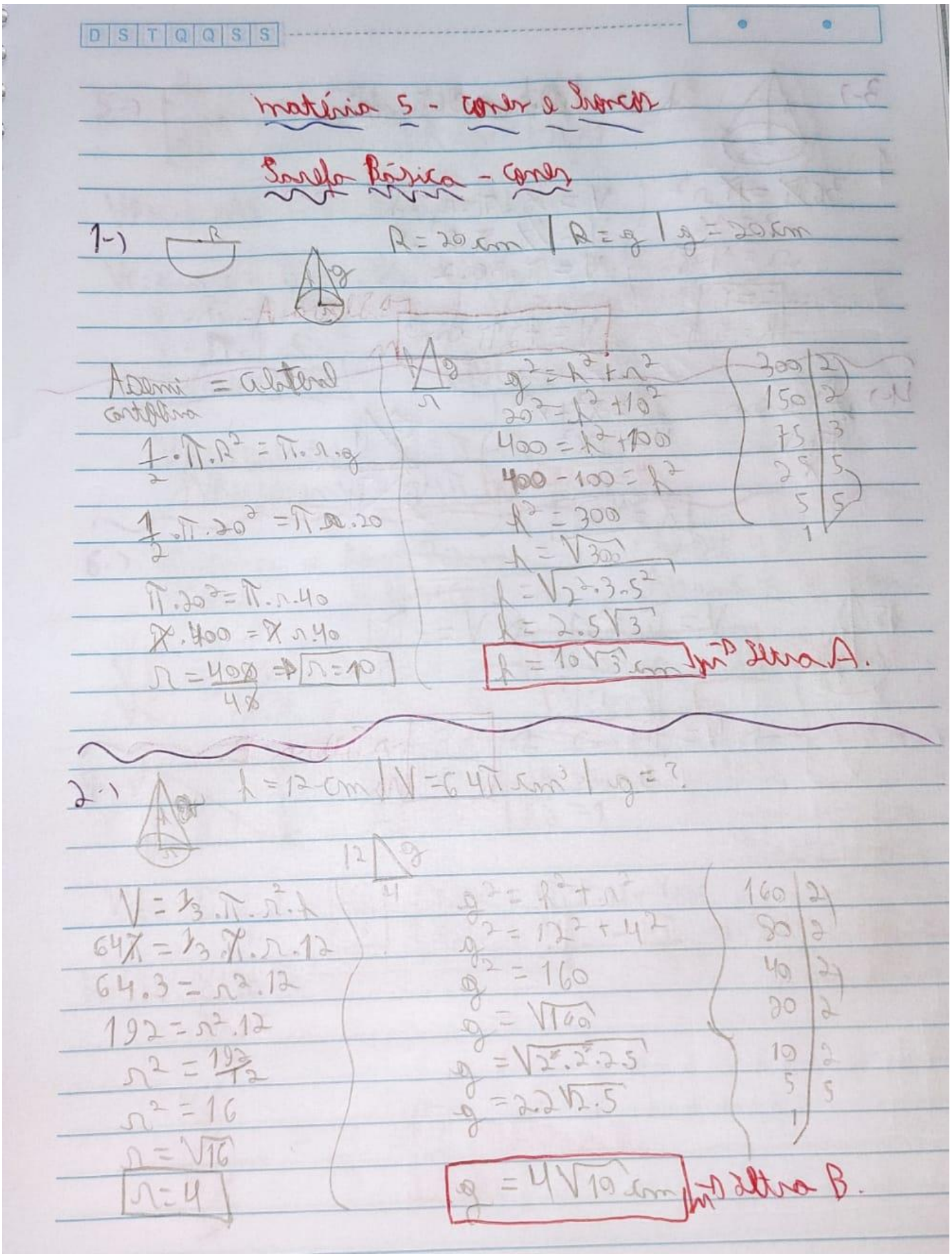
# Tarefa Básica 05

## Cones e Troncos

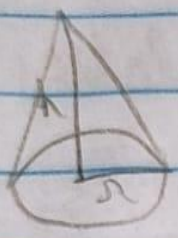
(Fotos nas páginas seguintes)

# 1ª Lista – Cones

## Exercícios 1 e 2:



Exercícios 3 e 4:

3-) 

$A = \pi r^2$ | $Área = 36\pi cm^2$

$36\pi = \pi r^2$

$r^2 = 36$

$r = \sqrt{36}$

$r = 6$

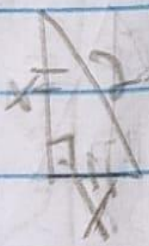
$R = 6$

$V = \frac{1}{3} \cdot \pi \cdot r^2 \cdot h$

$V = \frac{1}{3} \cdot \pi \cdot 6^2 \cdot 6$

$V = \pi \cdot 36 \cdot 2$

$V = 72\pi\ cm^3$ → letra A.

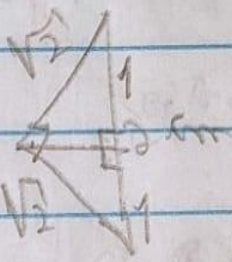
4-) 

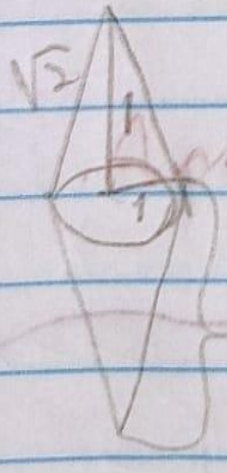
$2^2 = x^2 + x^2$

$4 = 2x^2$

$x^2 = 2$

$x = \sqrt{2}$

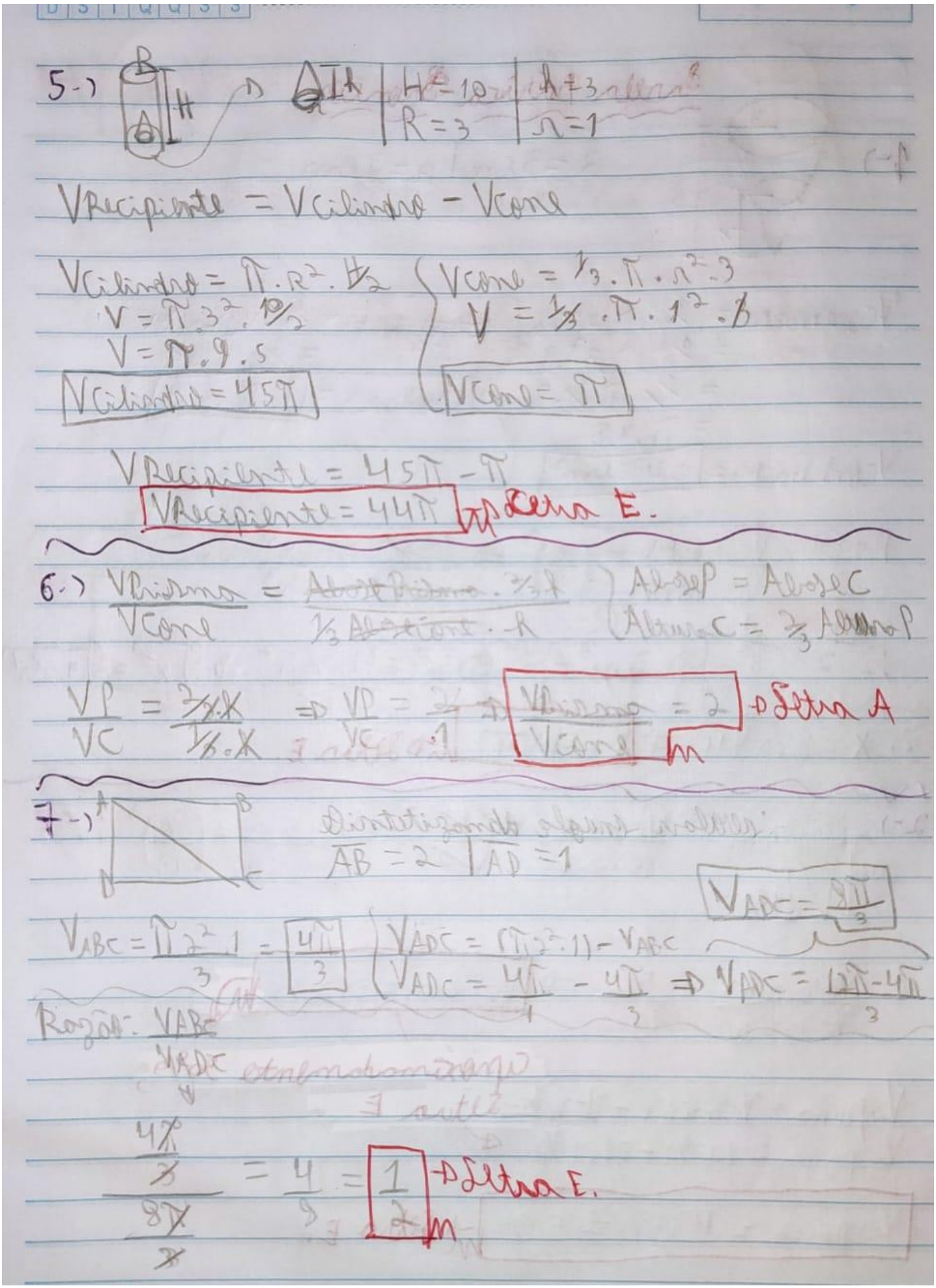




$V = \frac{\pi \cdot 1^2 \cdot 1}{3} \Rightarrow V = \frac{\pi}{3}$

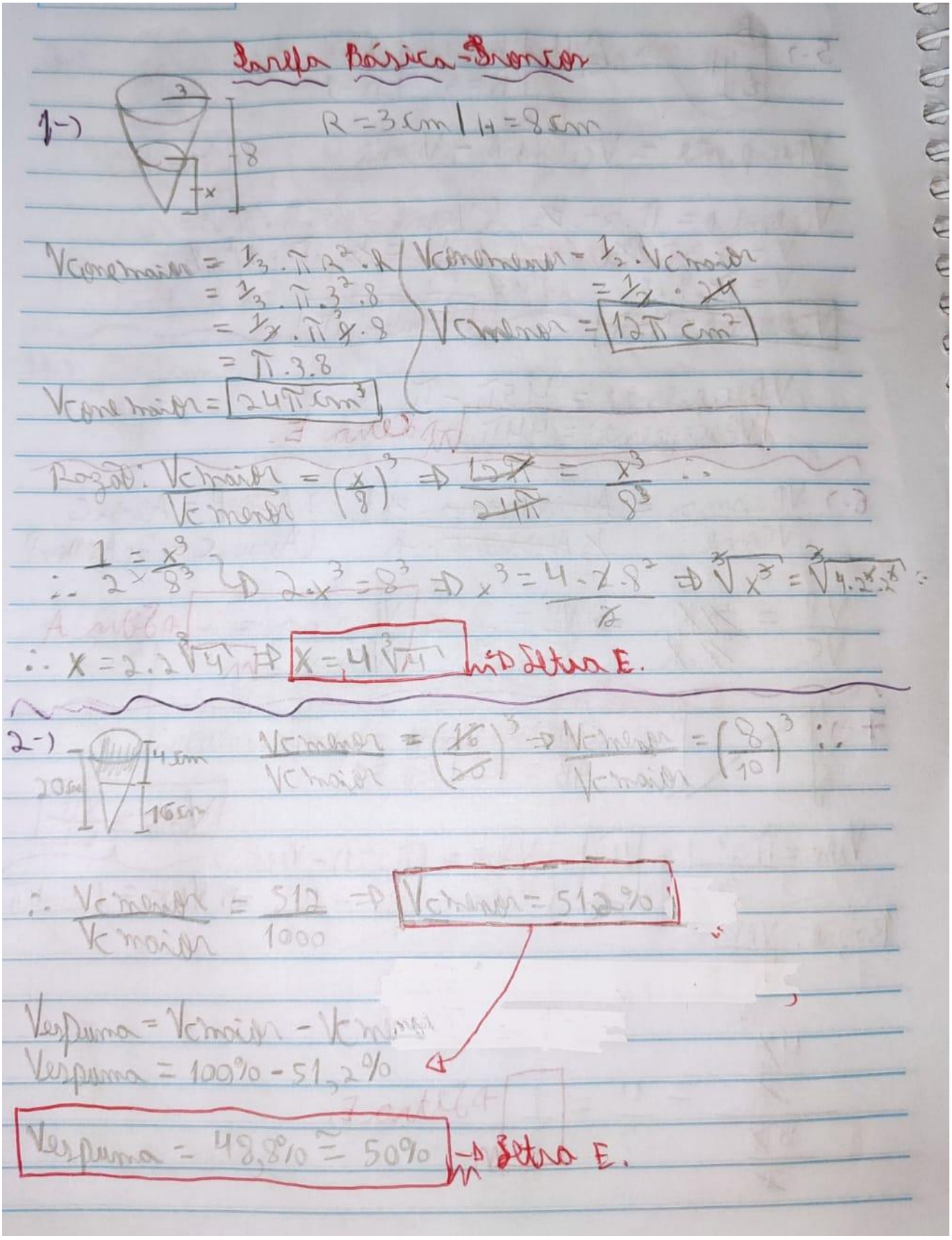
$\rightarrow V = \frac{\pi}{3} \cdot 2 \Rightarrow \frac{2\pi}{3}$ → letra E.

Exercícios 5, 6 e 7:

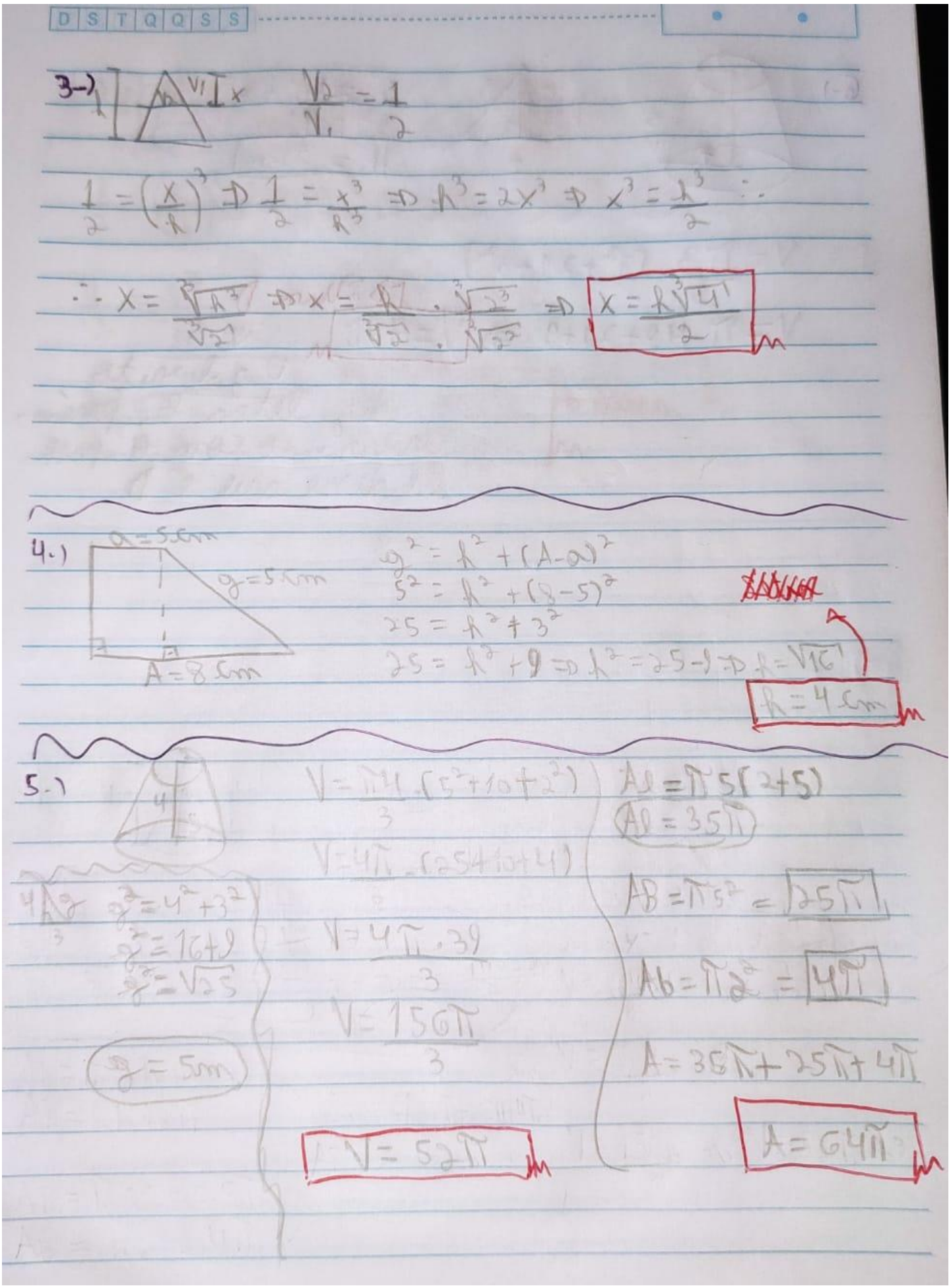


# 2ª Lista – Troncos

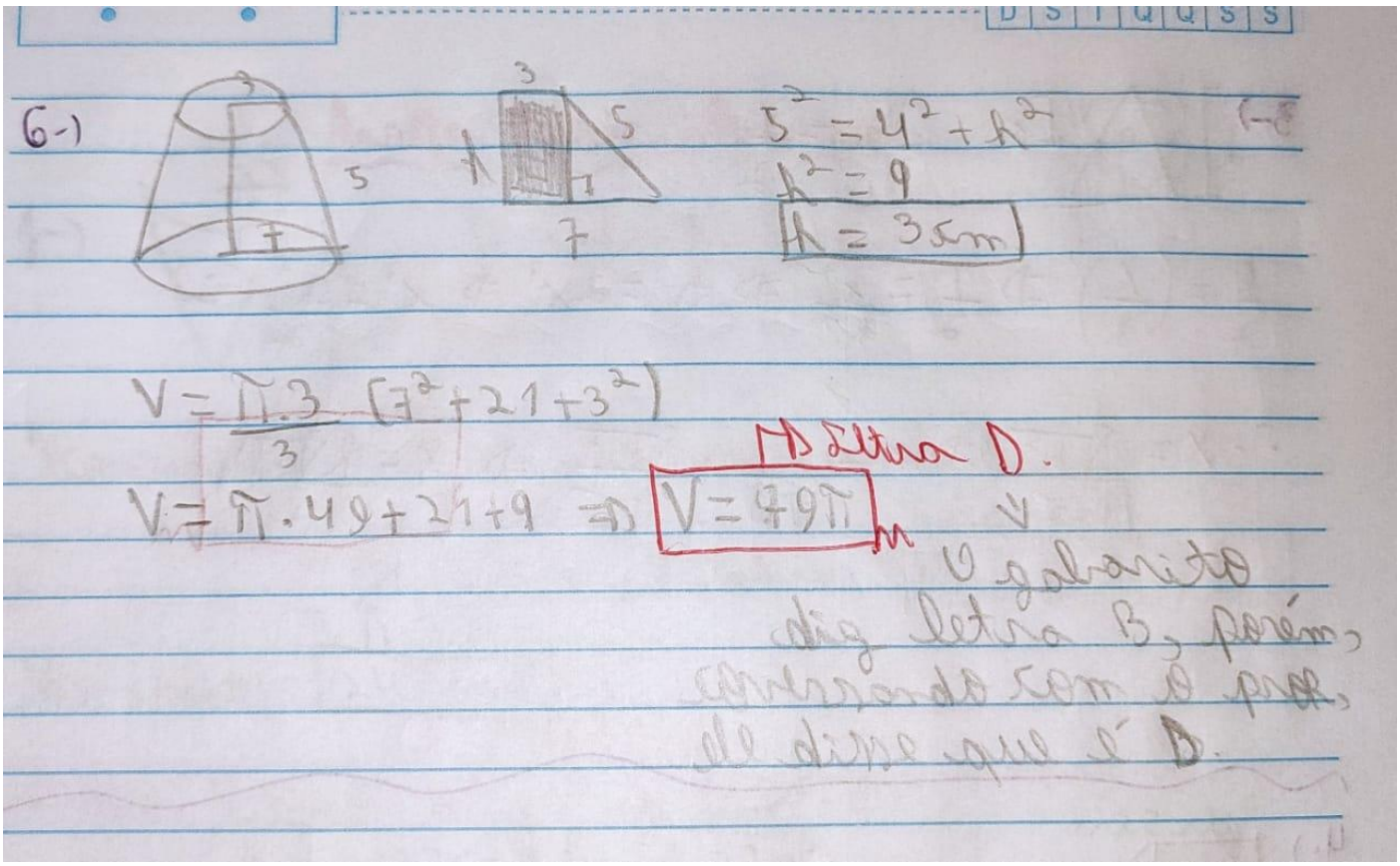
## Exercícios 1 e 2:



Exercícios 3, 4 e 5:



Exercício 6:




Exercício 7: