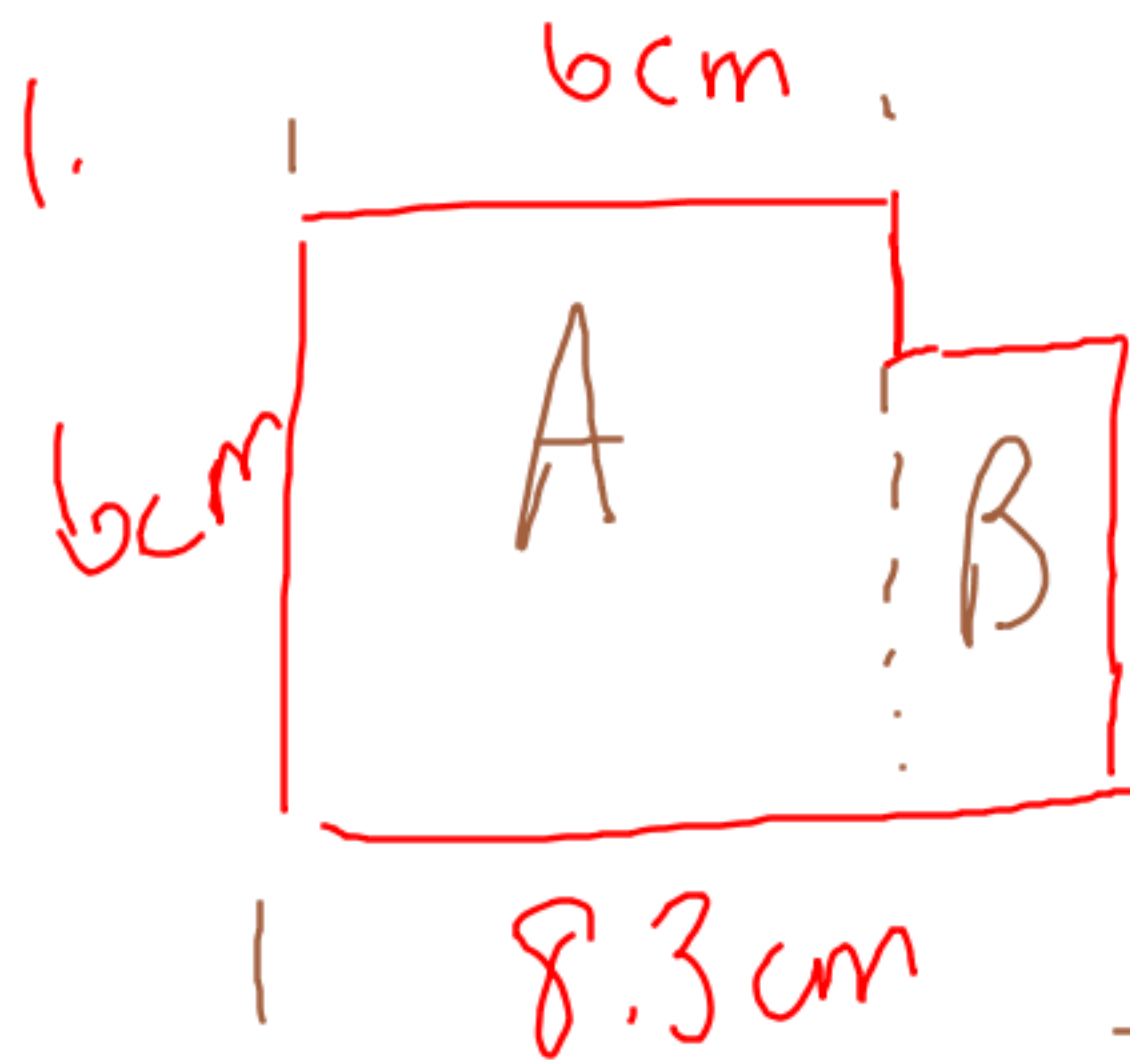


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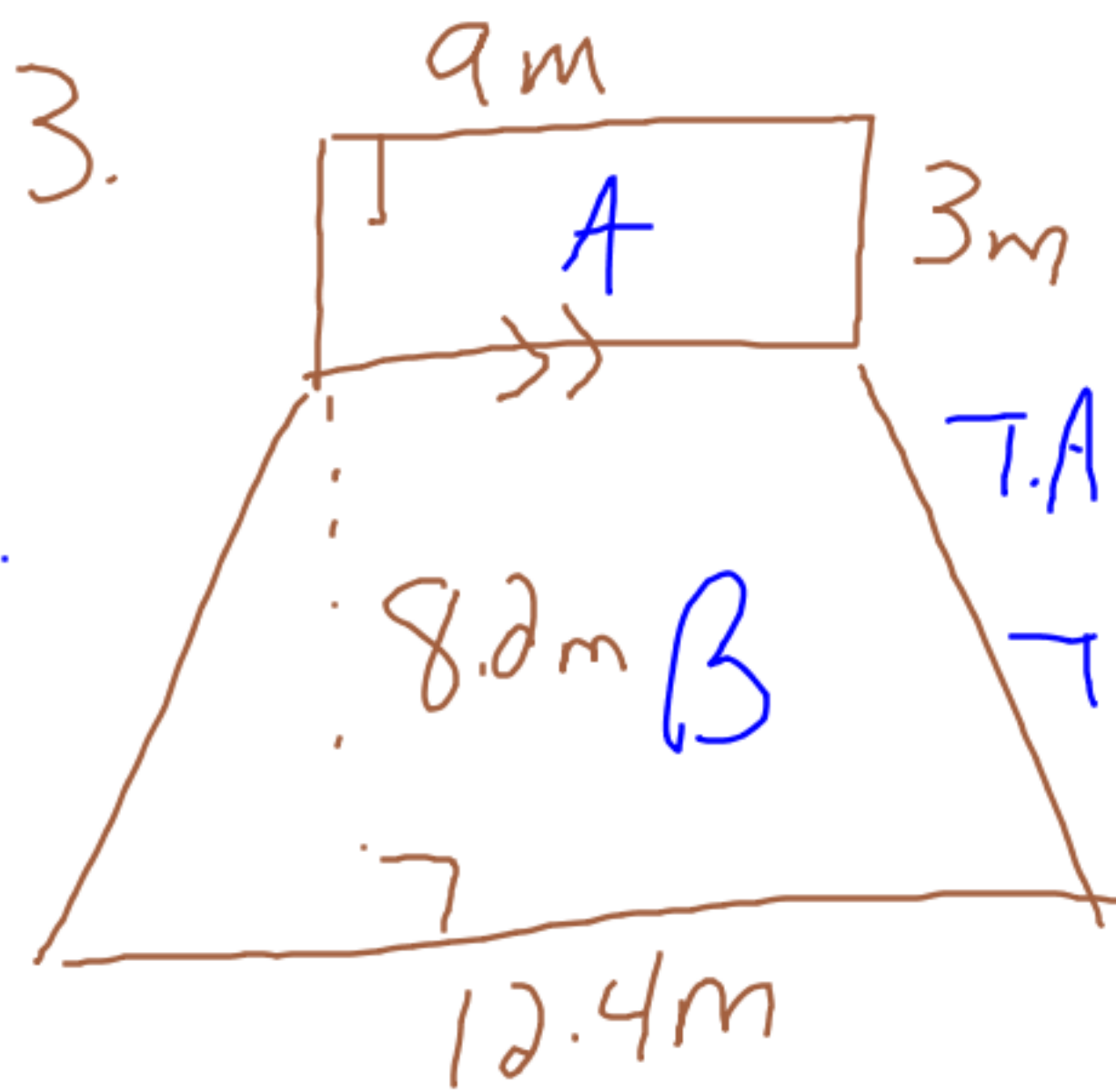
Mar. 21

Areas of Composite Shapes



$$\leftarrow \text{Total Area} = A + B$$

$$\begin{aligned} \text{T.A.} &= L \times w + L \times w \\ \text{T.A.} &= 6 \times 6 + (4.4)(2.3) \\ \text{T.A.} &= 36 + 10.12 \\ \text{T.A.} &= 46.12 \\ \text{T.A.} &= 46.1 \text{ cm} \end{aligned}$$



Total Area = A + B

$$T.A. = L \times w + \frac{1}{2} (a+b) h$$

$$T.A. = 9 \times 3 + \frac{1}{2} (9 + 12.4) \times 8.2$$

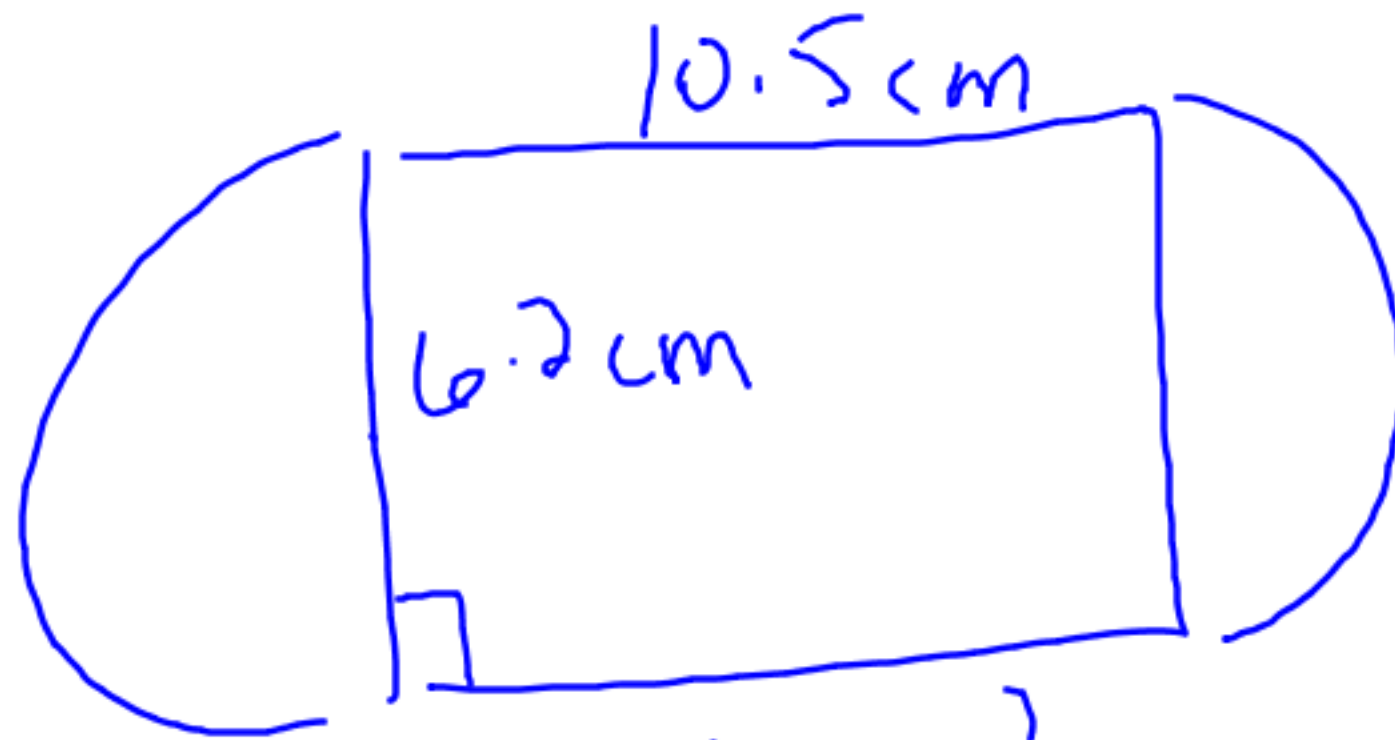
$$T.A. = 27 + \frac{1}{2} (21.4) (8.2) \times 8.2$$

$$T.A. = 27 + \frac{(12.4)}{2}$$

$$T.A. = 27 + 82.7$$

$$T.A. = 114.7 \text{ m}^2$$

8.



$$d = 6.2$$

$$r = 3.1$$

$$T.A. = L \times w + 2\pi r^2$$

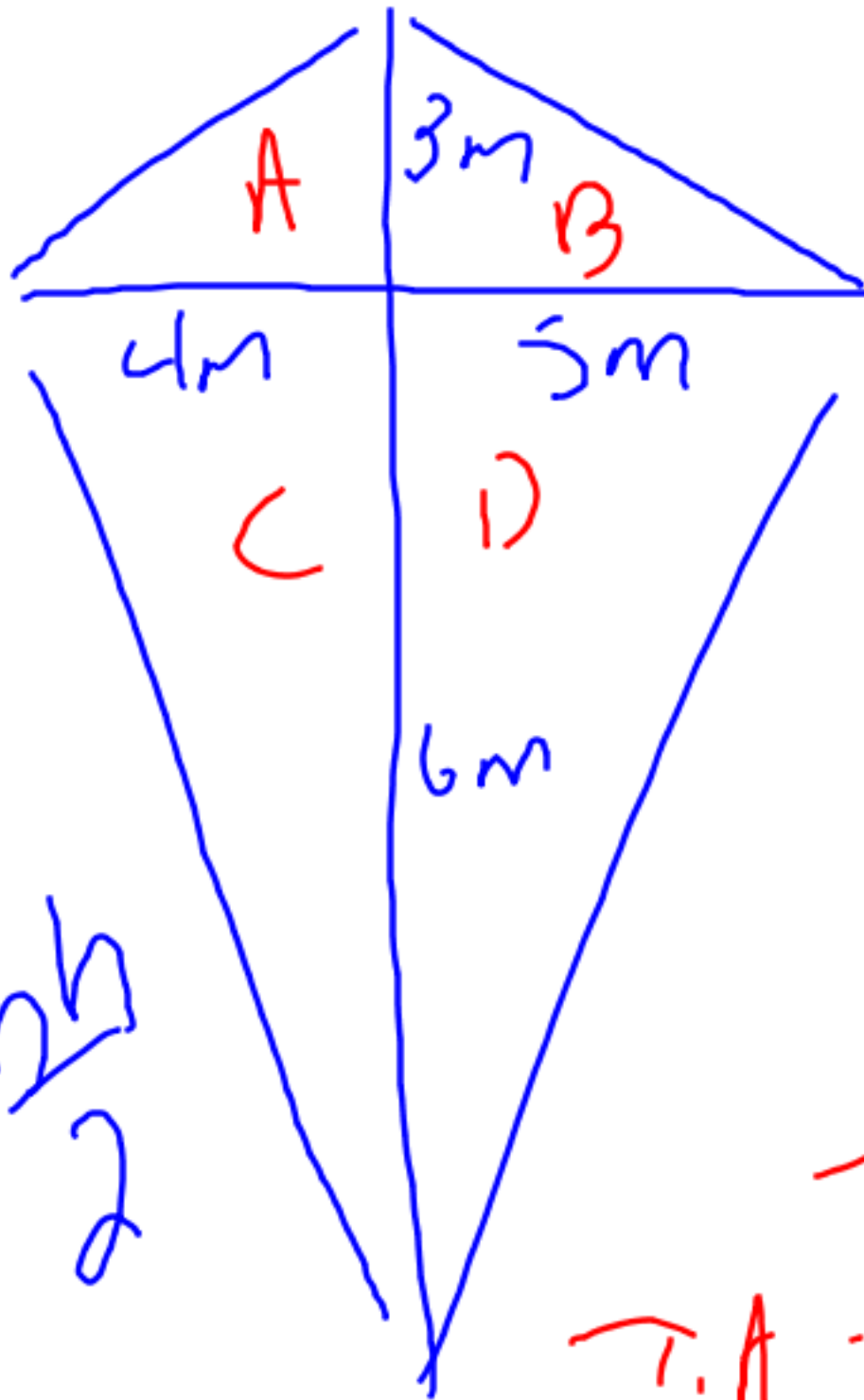
$$T.A. = (10.5)(6.2) + 3.14(3.1)^2$$

$$T.A. = 65.1 + 3.14(9.61)$$

$$T.A. = 65.1 + 30.1754$$

$$T.A. = 95.3 \text{ cm}^2$$

11.



$$A = \frac{bh}{2}$$

$$T.A = A + B + (\neq 0)$$

$$T.A = 4 \frac{(3)}{2} + 5 \frac{(3)}{2}$$

$$+ 4 \frac{(6)}{2} + 5 \frac{(6)}{2}$$

$$T.A = 6 + 7.5 + 12 + 15$$

$$T.A = 40.5 \text{ m}^2$$

14.



$$A = \frac{bh}{2}$$

Shaded Region = T.A. — Unshaded

$$Sh. R = \frac{(20.2)(8.6)}{2} - \frac{(6.2)(8.6)}{2}$$

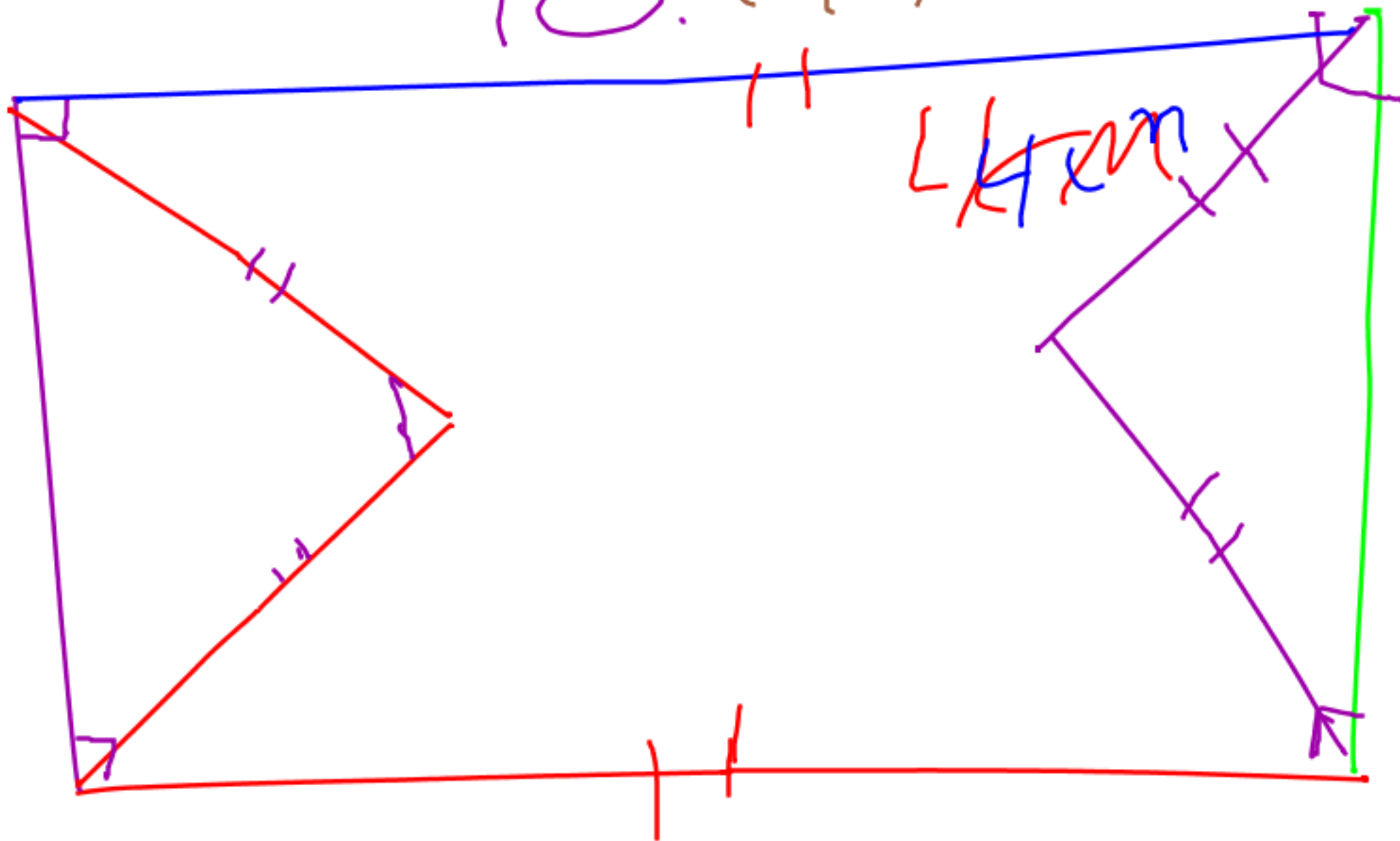
$$Sh R = 144.48 - 86.86$$

$$Sh R = 62.6 \text{ cm}^2$$

The area of the shaded region is 62.6 cm²

16. 17. 23

10. cm



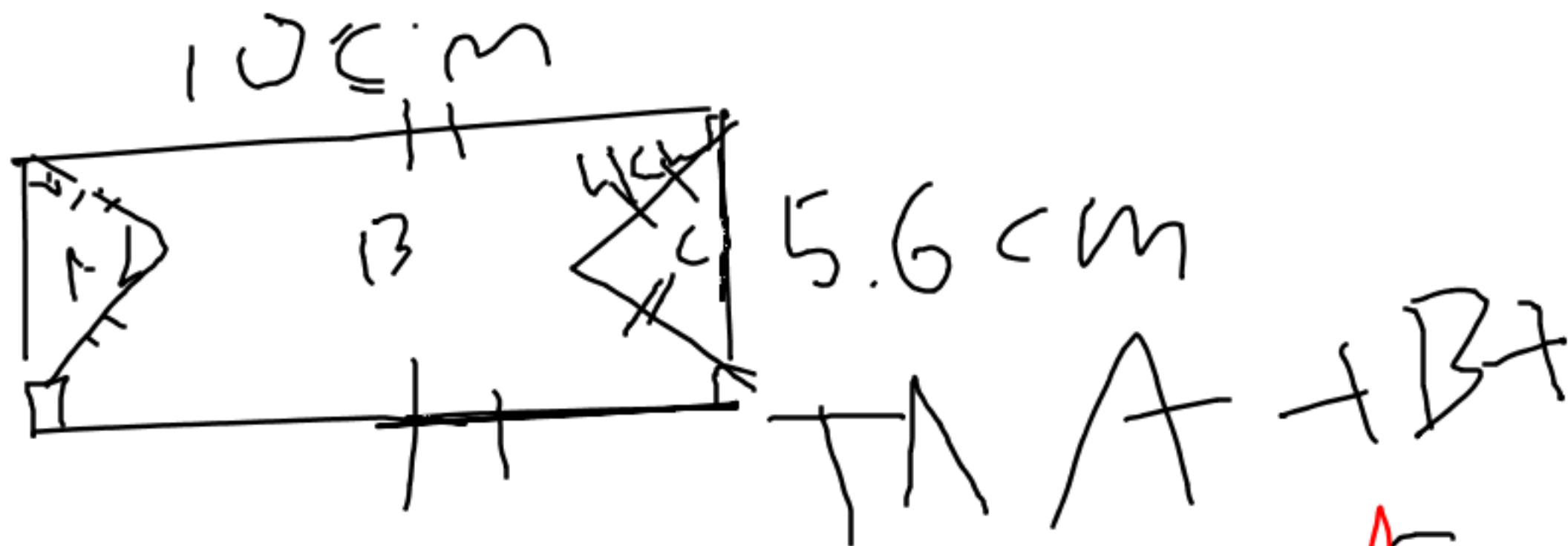
5.6
cm

Homework

Box 2
and

Hand-count

40/0



Sh.R = T.A - Unshaded

ShR = $L \times W$ = ~~$L \times W$~~

ShR = $10 \times 5.6 - 4 \times 4$

Shr = 40



TA