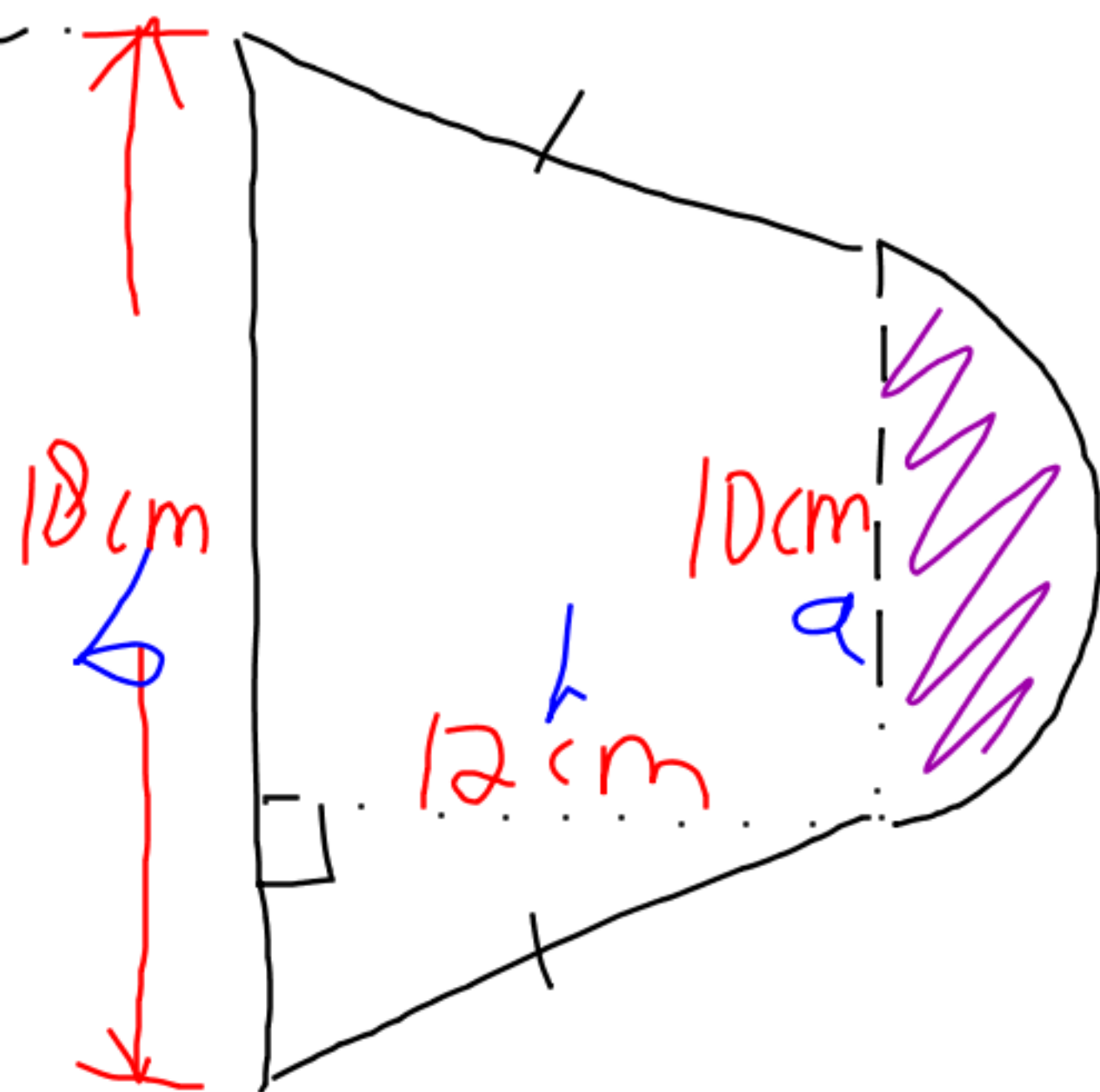


6

p. 72

Sept 17



semi-circle
trapezoid

$$\frac{\pi r^2}{2} + \frac{(a+b)h}{2}$$

$$\frac{\pi (5)^2}{2} + \frac{(10+18)12}{2} \rightarrow 39.2 + 168$$

$$= \frac{78.5}{2} + \frac{336}{2} = 207.2 \text{ cm}^2$$

p 72 Homework p. 72: # 8, 9, 10, 12, 14

7 a) Layer 1
... 2
" 3
b) square
c) 10th layer
d) 12.5 cm

p. 72 # 6 a b

$$\frac{125 \text{ cm}}{100} = 1.25 \text{ m}$$

$$4 (1.25)^4 (1.25) = 1.56 \text{ m}^2$$

$$10^2 = 100 \text{ cans}$$

$$10 \times 12.5 \text{ cm}$$



$$10 \times 12.5 \text{ cm}$$

$$A = l \times w$$

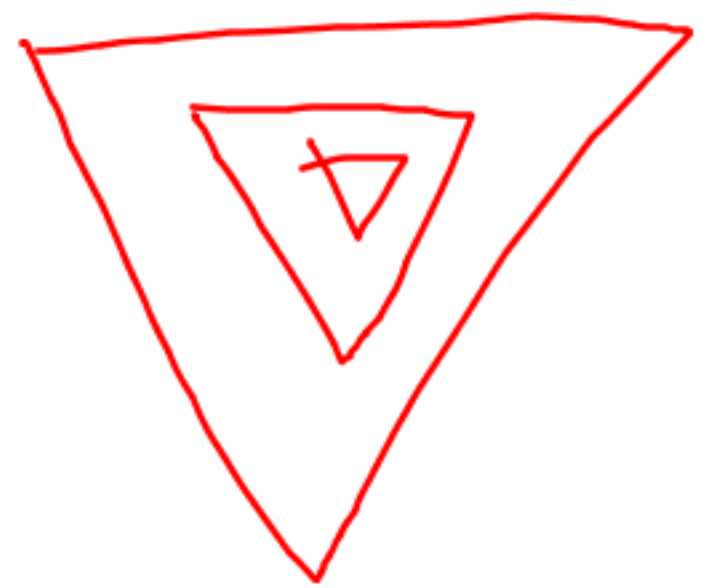
$$A = (125)(125)$$

$$A = 15625 \text{ cm}^2$$

8.

Layer: 1

Cans



		8
2		6
3		10
4		15
		21
5		28
6		36
		45
7		55
8		
9		
10		