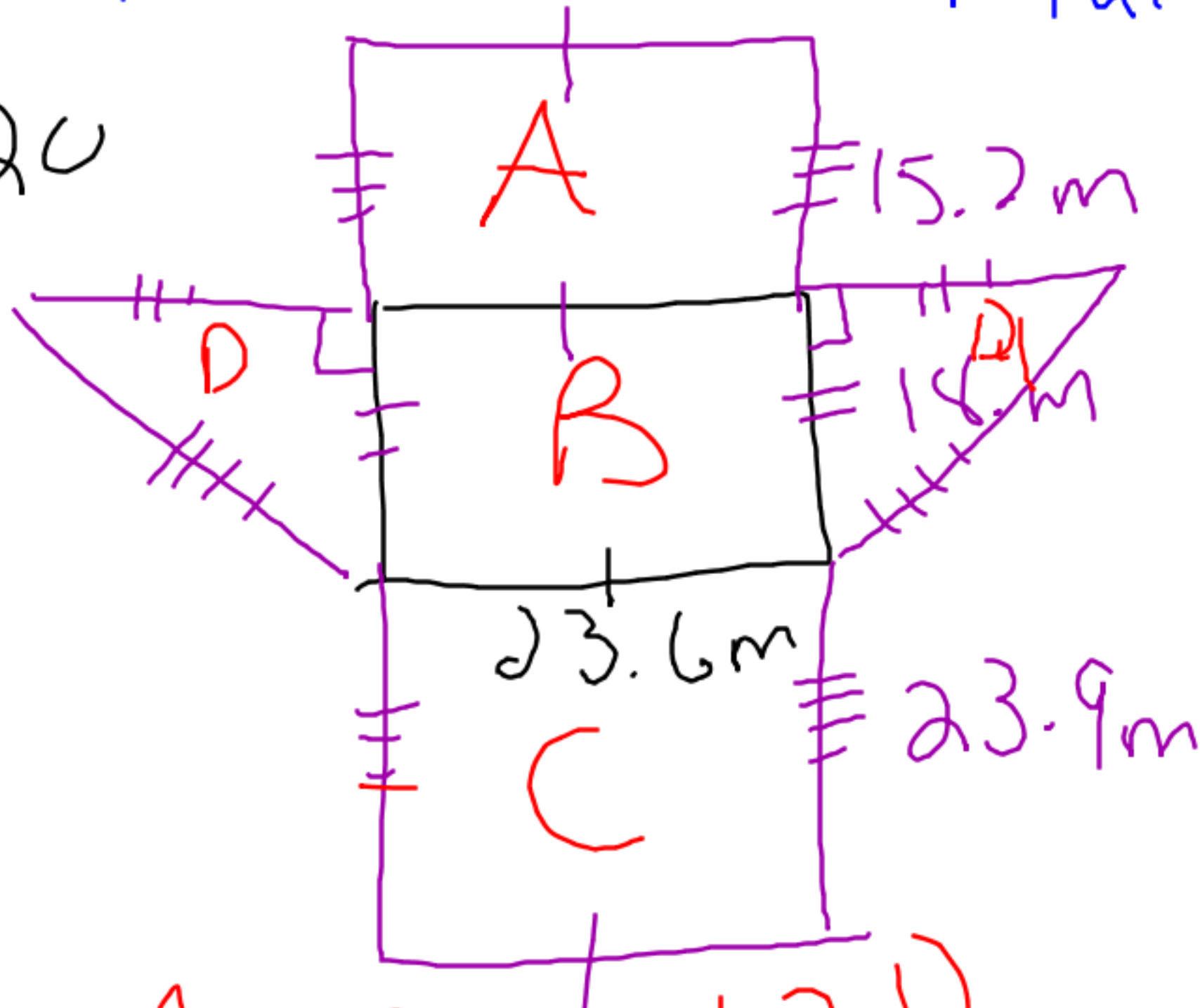


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$$S.A = A + B + C + D$$
$$S.A = L \times w + L \times w + L \times w + 2 \left(\frac{b \times h}{2} \right)$$

Surface Area + Volume of a Cylinder + a Cone

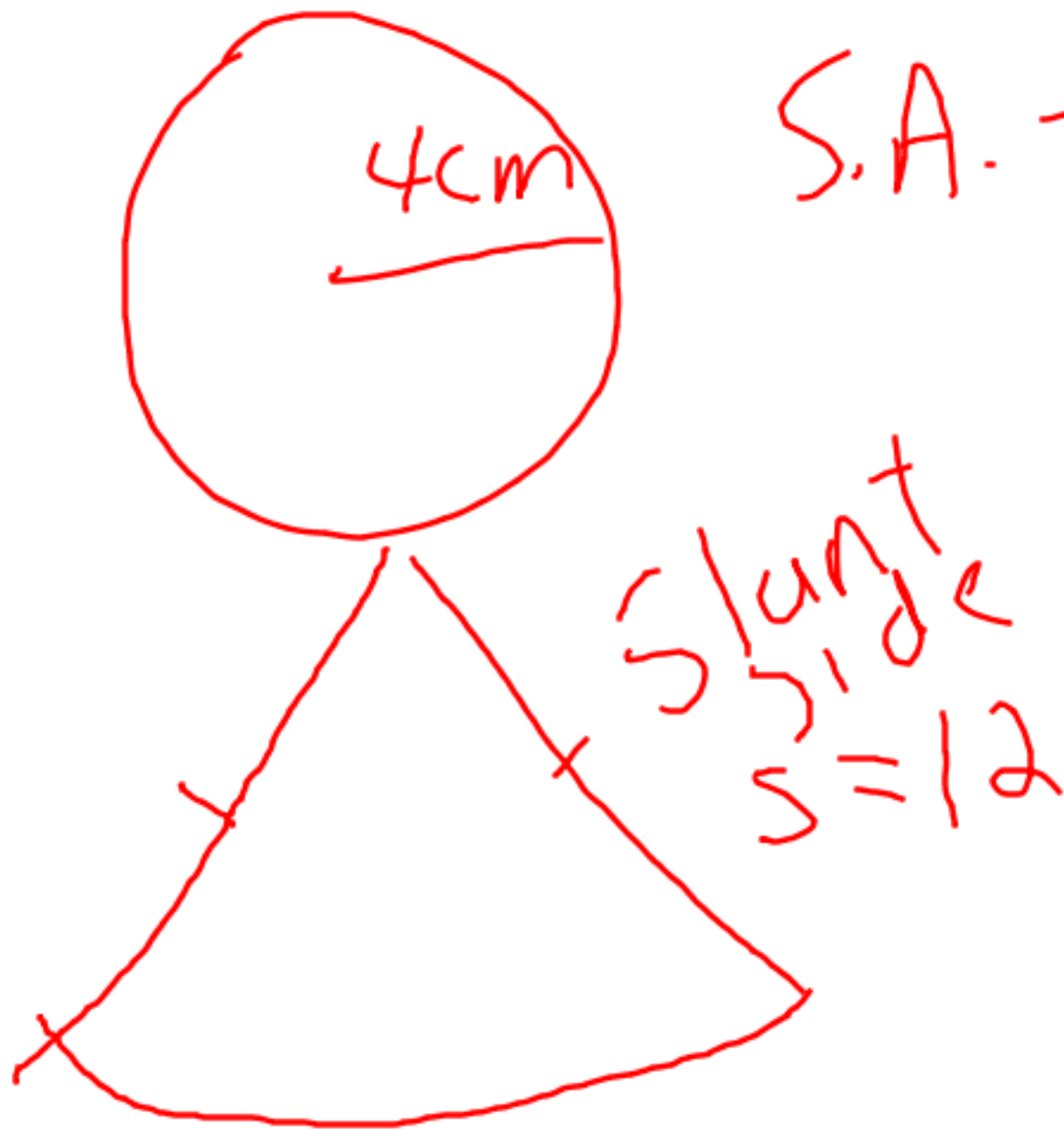
1. Net of Cylinder

$$S.A = 2\pi r^2 + 2\pi r h$$



3. Surface Area of a Cone

$$S.A. = \pi r^2 + \pi r s$$



6. Volume of Cylinder

$$V = \pi r^2 h$$

$$V = 3.14 (4.2)^2 (12.4)$$

$$V = 3.14 (17.64) (12.4)$$

$$V = (55.39) (12.4)$$

$$V = 686.8 \text{ cm}^3$$

Volume of cone.

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

$$V = \frac{3.14 (3)^2 (4)}{3}$$

$$V = \frac{3.14 (9) (4)}{3}$$

$$V = \frac{113.04}{3} = 37.7 \text{ m}^3$$

finish box 3

~~23~~ ~~24~~

box 4

2, 4, 5, 7
1, 1, 1

hand-out sheet - front