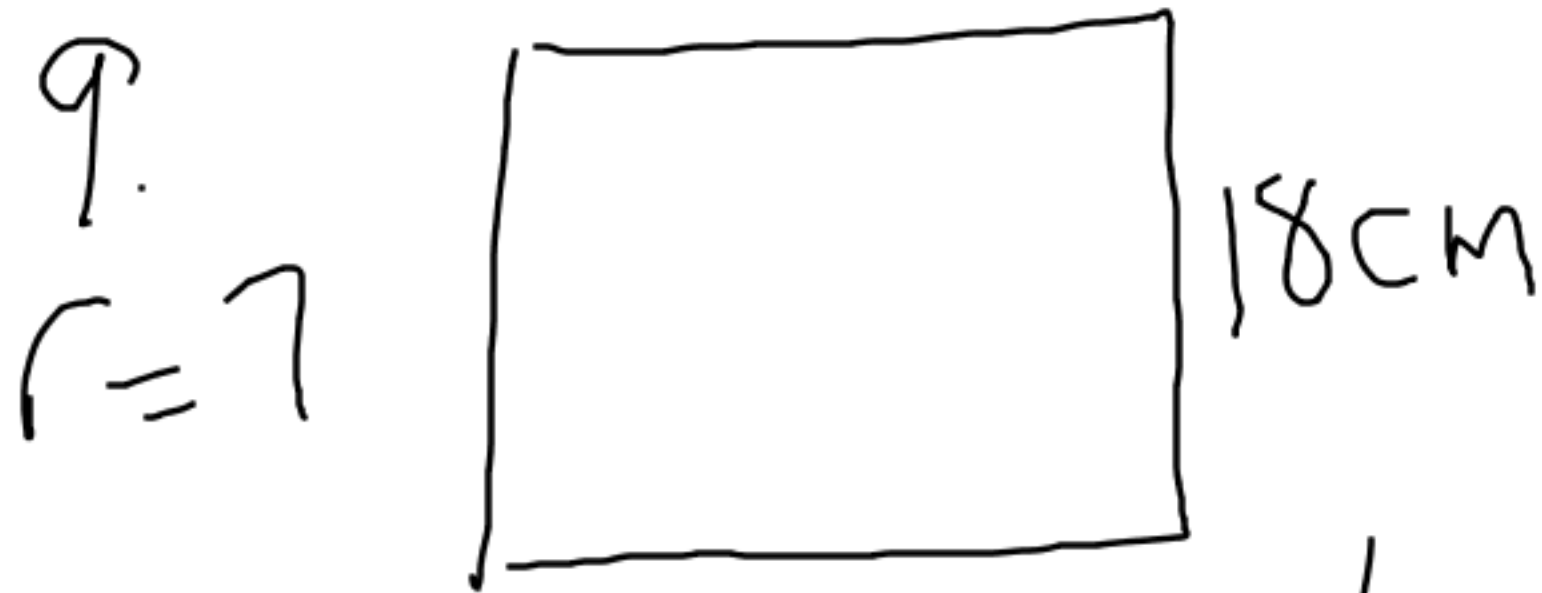
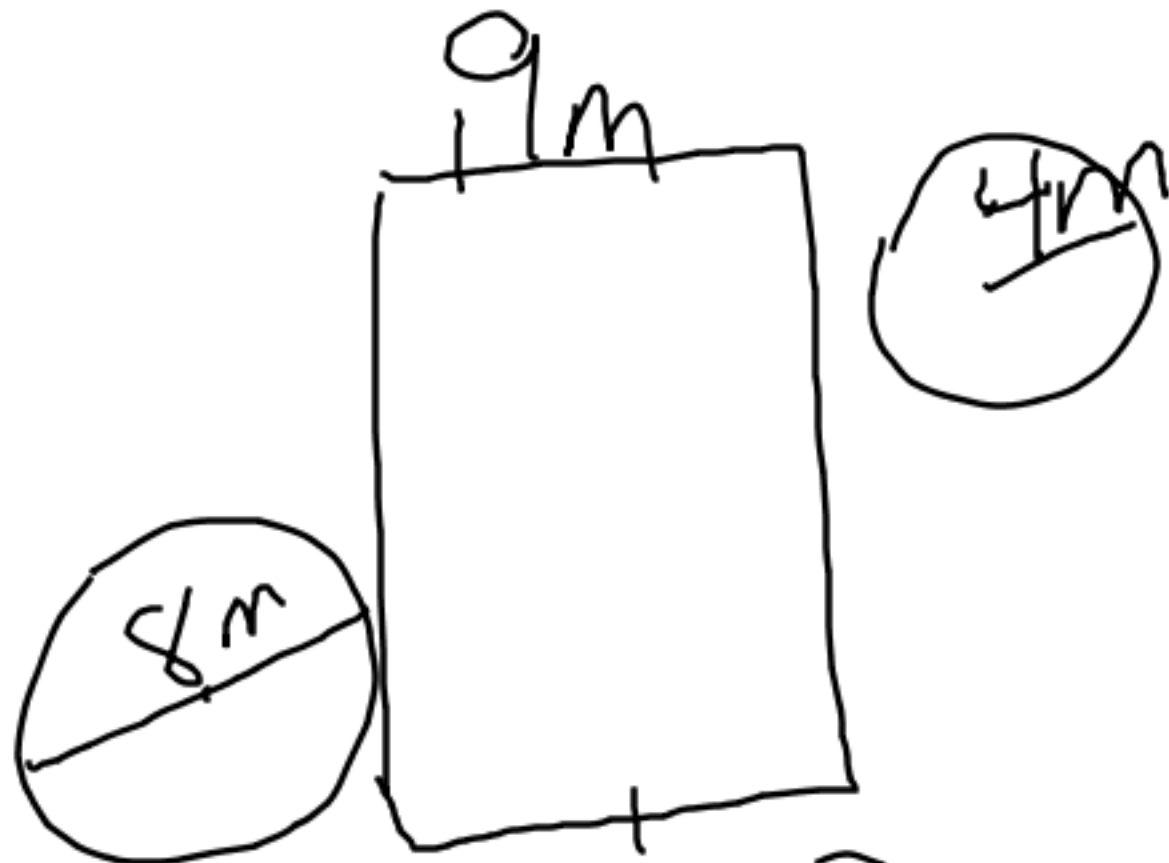


lateral surface April 3



$$\begin{aligned} L.S. &= 2\pi rh \\ L.S. &= 2(3.14)(7)(18) \\ L.S. &= 6.28(126)2 \\ L.S. &= 791.3 \text{ cm} \end{aligned}$$

11.



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

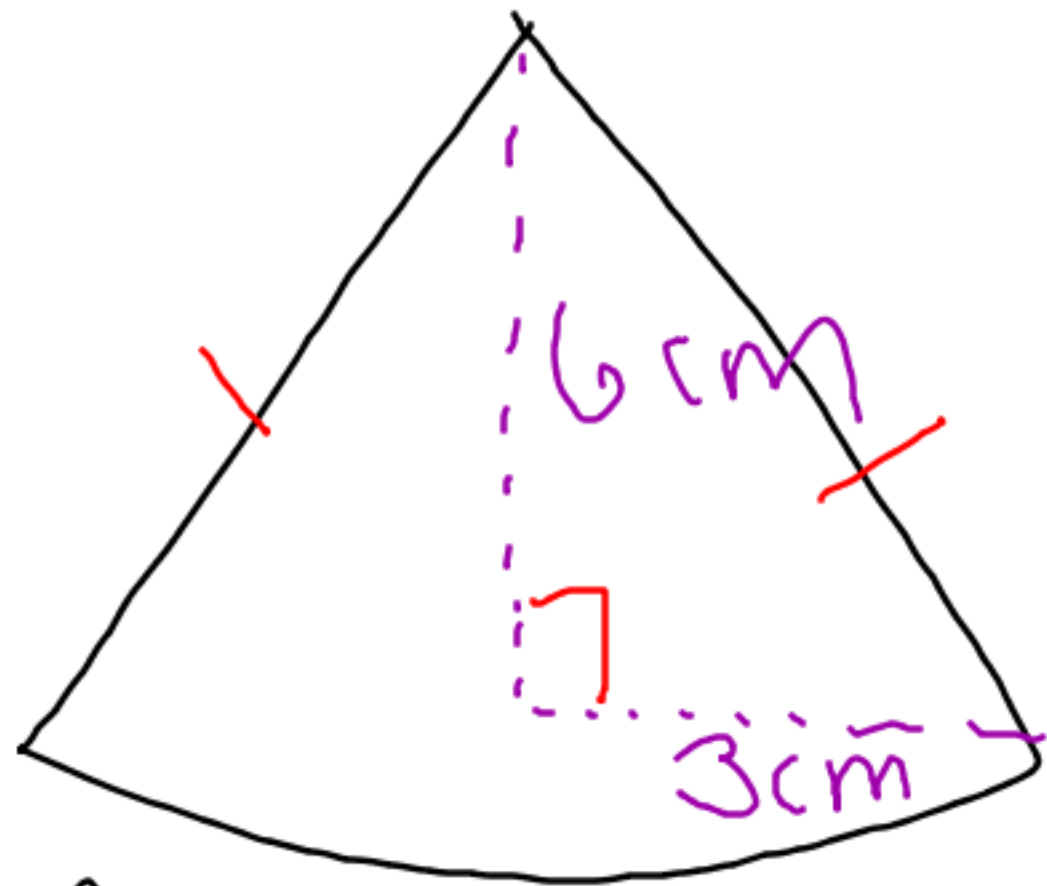
$$S.A = 2(3.14)(4)^2 + 2(3.14)(4)(9)$$

$$S.A = 6.28(16) + 6.28(36)$$

$$S.A = 100.48 + 226.08$$

$$S.A = 326.6 \text{ m}^2$$

17. Lateral Surface of Cone



$$a^2 + b^2 = c^2$$

$$3^2 + 6^2 = c^2$$

$$9 + 36 = c^2$$

$$\sqrt{45} = c$$

$$c = 6.7 \text{ cm}$$

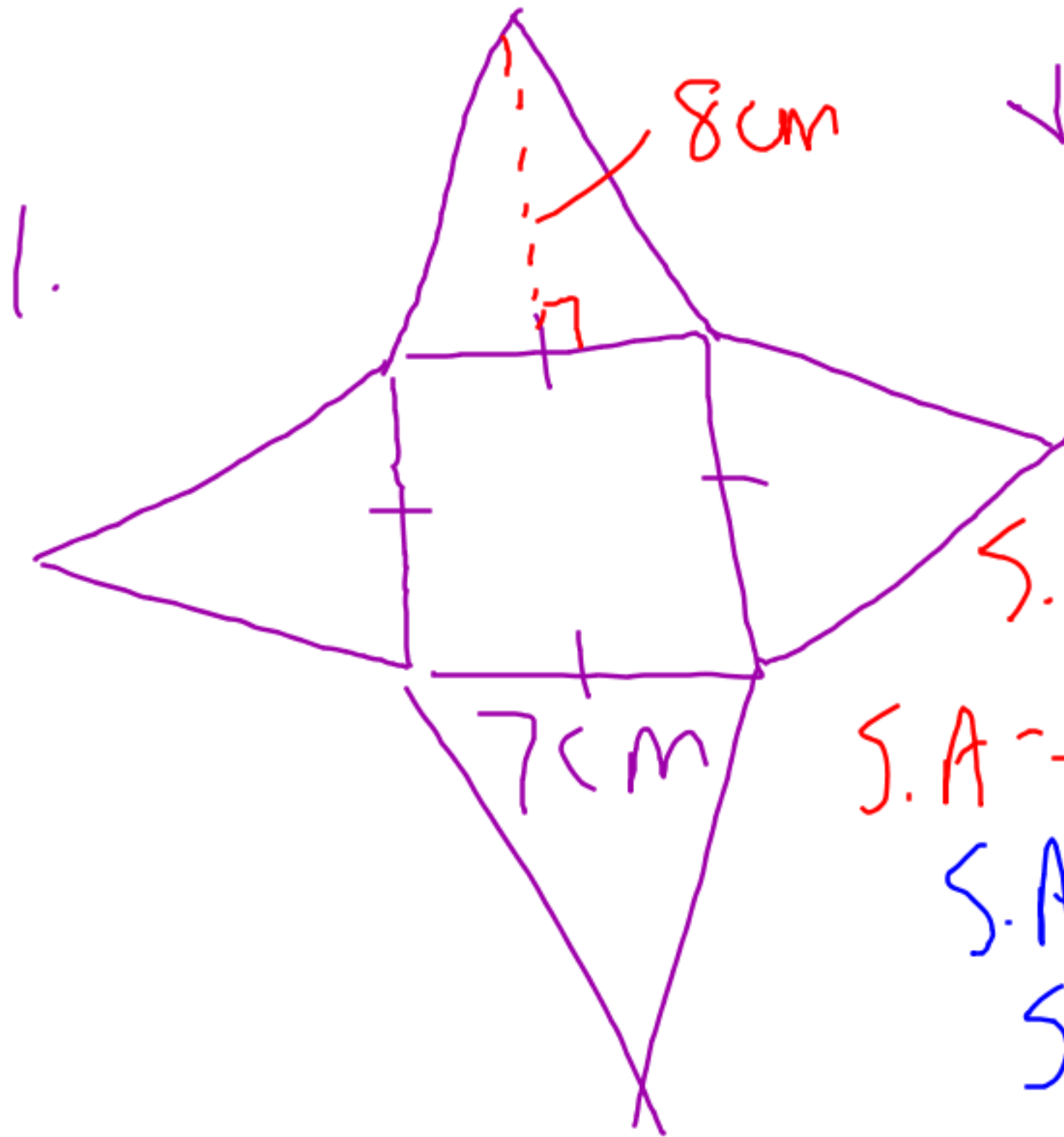
Ans

$$= 3.14(3)(6.7)$$

$$= 63.1 \text{ cm}^2$$

p 492 Surface Area of Pyramids

↓ Spheres



$$S.A = L \times w + 4 \left(\frac{bh}{2} \right)$$

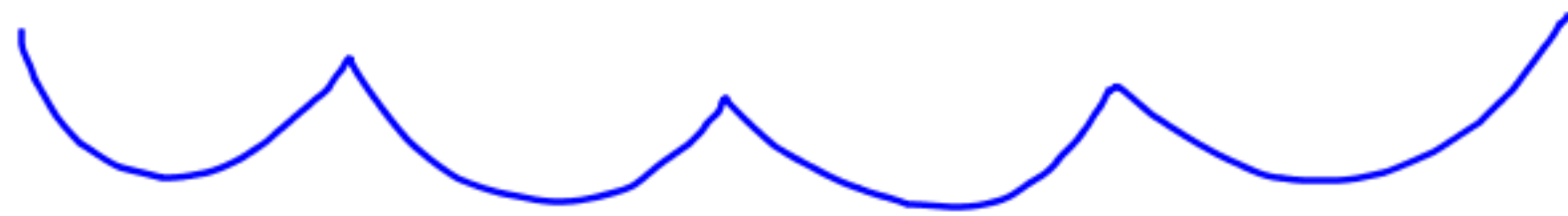
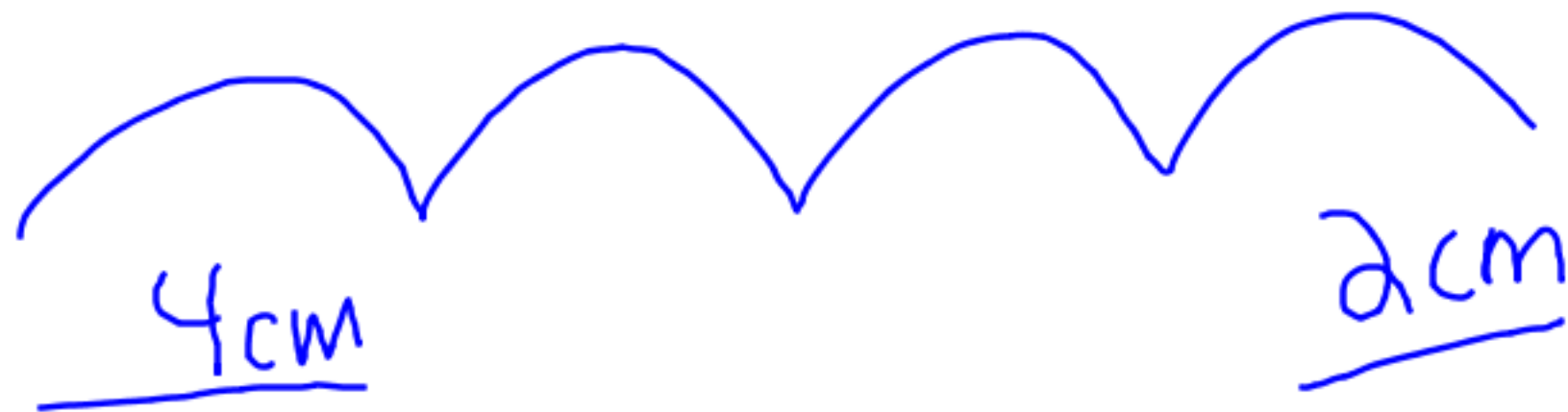
$$S.A = 7 \times 7 + \cancel{4}^2 \left(\frac{7 \times 8}{\cancel{2}} \right)$$

$$S.A = 49 + 2(56)$$

$$S.A = 49 + 112$$

$$S.A = 161 \text{ cm}^2$$

3. Surface Area of a Sphere



$$S.A = 4\pi r^2$$

$$S.A = 4(3.14)(2)^2$$

$$S.A = 12.56(4)$$

$$S.A = 50.2 \text{ cm}^2$$

(6.)

Volume of a Pyramid
square based

$$\frac{L \times w \times h}{3}$$

$$= \frac{3 \times 3 \times 5}{3}$$

$$= \frac{45}{3} = 15 \text{ m}^3$$

8. Volume of Sphere

$$\frac{4\pi r^3}{3}$$

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

$$= \frac{12.56(64)}{3} = \frac{803.84}{3} = 267.94 \text{ cm}$$

Work:
finish box⁴
box 5 thru
10