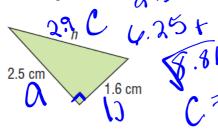
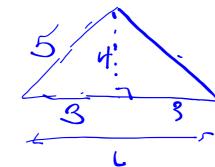


a)

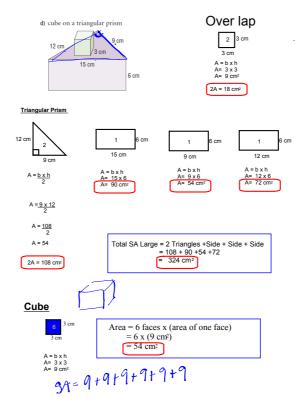


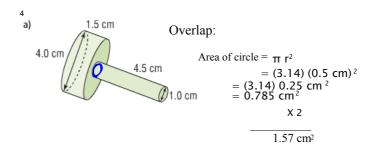
Kile o

ii) Calculate the perimeter and area of each



A: bxh 2





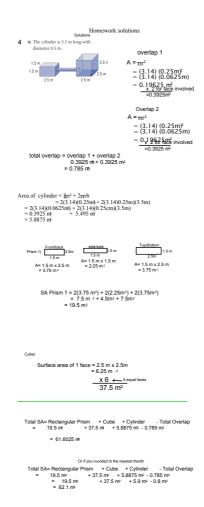
```
Top Area of cylinder = 2\pi r^2 + 2\pi rh = 2(3.14)(2cm)^2 + 2(3.14)(2cm)(1.5cm) = 2(3.14)(4cm) + 2(3.14)(2cm)(1.5cm) = 25.12 \text{ cm}^2 + 18.84 \text{ cm}^2 = 43.96 \text{ cm}^2
```

Area of cylinder =
$$2\pi r^2 + 2\pi rh$$

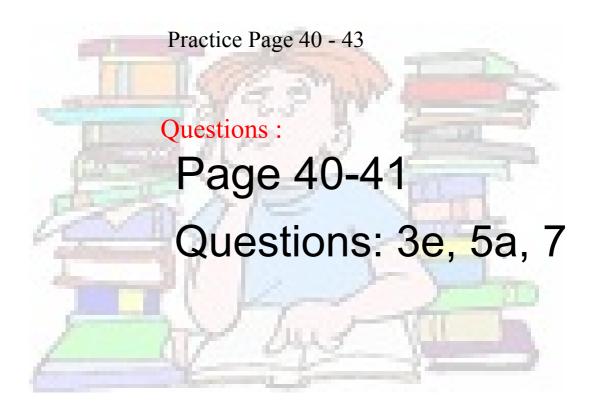
= 2(3.14)(0.5cm)² + 2(3.14)(0.5cm)(4.5cm)
= 2(3.14)(0.25cm) + 2(3.14)(0.5cm)(4.5cm)
= 1.57 cm² + 14.13 cm²
= 15.7 cm²

Total SA = Cylinder + Cylinder - Overlap
= 43.96 cm² + 15.7 cm² - 1.57 cm²

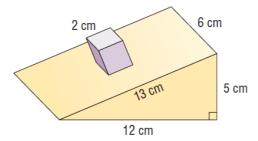
 $= 58.09 \text{ cm}^2$ = 58.1 cm²



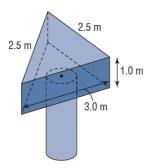
Class / Homework



e) cube on a triangular prism

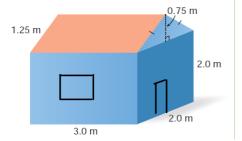


- **5.** Determine the surface area of each composite object.
 - a) The cylinder is 2.5 m long with radius 0.5 m.



7. Assessment Focus

a) A playhouse has the shape of a rectangular prism with a triangular prism roof. Determine the surface area of the playhouse.



b) Door is 0.5m x 1m 2 Windows 1m x 1 m c) Determine the surface area of the playhouse not including its doors and windows.