



**Rosary School \ Marj Elhamam**

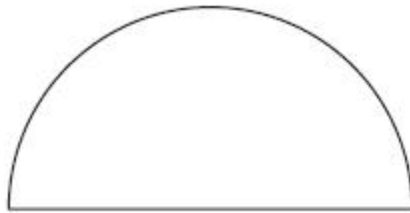
Name : \_\_\_\_\_

Date:     / 11 / 2025

Subject: Remedial worksheet (Mid Term Exam)

Grade: 8 (     )

**Q1:** This diagram shows a semicircular disc.



10 cm

a. Calculate the area of the disc. **Round your answer to 1 decimal place.**

\_\_\_\_\_  $cm^2$

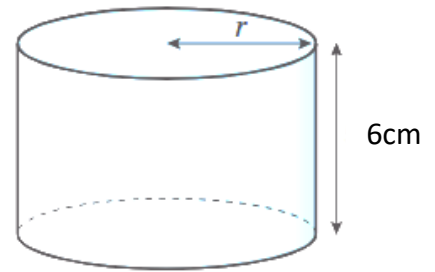
b. Calculate the perimeter of the disc. **Round your answer to 2 decimal places.**

\_\_\_\_\_  $cm$

**Q2:** a. The capacity of this cylindrical glass is  $360 \text{ cm}^3$ .

**Work out**

i. the area of the circular end in this cylinder.



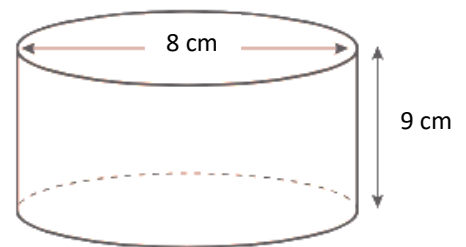
\_\_\_\_\_  $\text{cm}^2$

ii. the radius of the circular end.

**Round your answer to 1 decimal place.**

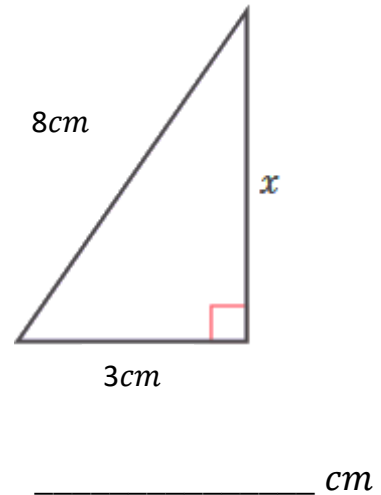
\_\_\_\_\_  $\text{cm}$

b. For this cylinder, work out the surface area. **Round your answer to 2 decimal places.**



\_\_\_\_\_  $\text{cm}^2$

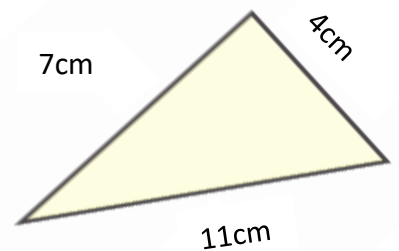
**Q3:** a. Work out the **length** of the missing side ( $x$ ).



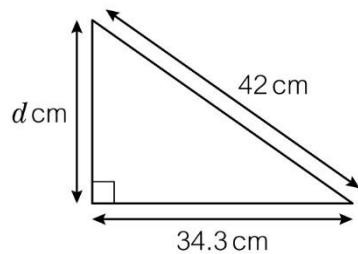
b. Work out the **area** of the triangle  
Give your answer correct to 1 decimal place.

\_\_\_\_\_  $cm^2$

**Q4:** Is the following shape a right-angled triangle? **Explain your answer.**



**Q5:** The diagram shows a right-angled triangle.



Find the length of the side marked  $d$ .

Give your answer correct to 3 significant figures.

\_\_\_\_\_  $cm$

