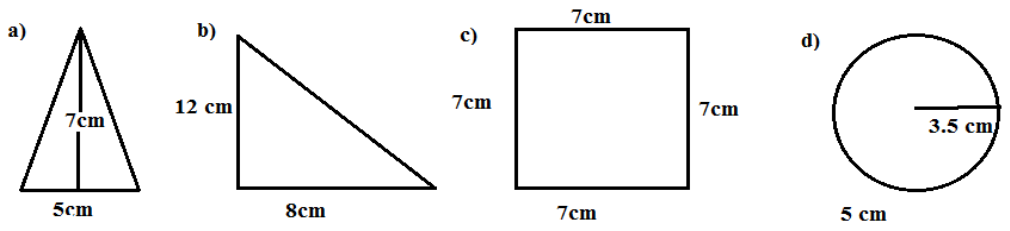
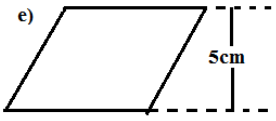
New Era High School, Panchgani

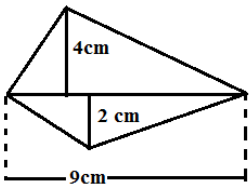
Assignment 3 — Class VIII

Subject	**Mathematics**
CHAPTER	Mensuration
TIMELINE	3rd Week (11th May to 16th May)
Topics	• Recall – Area of Square, Rectangle, Triangle, Parallelogram, and Circle • Area of Trapezium • Area of General Quadrilateral • Area of Rhombus • Volume and surface area of Cuboid and Cylinder
Activities	**Activity 1** Measure the length, breadth and height of your room and calculate the area of the floor, roof and walls of the room. Using the formula calculate the volume of the room. **Activity 2** Collect three or more containers with a lid Take a bucket such that the containers you have collected can immerse in it easily. Fill the bucket with water to its edge. Take one container and slowly immerse it in water. Repeat the same for every container Write an observation and conclude based on your observation.
Submission	Students should solve the Assignment on a paper and submit its scanned copy by 16th May 2020. For any queries, you may contact me on devendra.patel@nehs.in The hard copy to be submitted as and when you report to the school. Please note the above activities are part of your internal assessment and it is mandatory.
Resource	Class VIII text book of Mathematic by N.C.E.R.T To download the textbook click the link given below http://ncert.nic.in/textbook/textbook.htm?femh1=0-14
Questions	1. Find the area of the following 

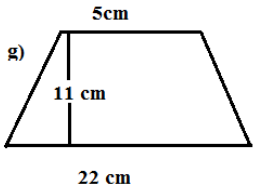
e)



f)



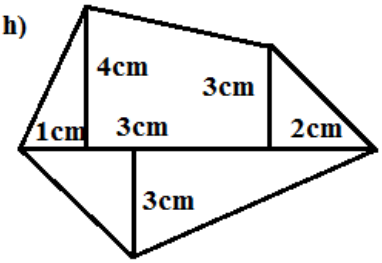
g)



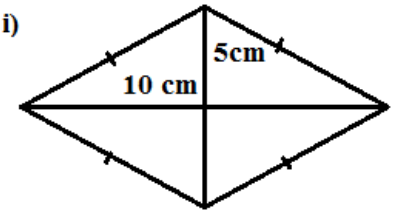
b) Calculate the lateral surface area, total surface area and volume of a cube with side 9cm

2. Calculate the lateral surface area, total surface area and volume of a cuboid with dimensions 12cm × 13 cm × 14cm.
3. Calculate the Curved surface area, Total surface area and volume of a cylinder if the height of the cylinder is 5 cm, radius of base of the cylinder is 7 cm (use π = 22/7)

h)



i)



Subject Teacher: Mr. Devendra Patel.