

**Pakistan Urdu School- Kingdom of Bahrain**

**Grade : 8**

**Subject: Mathematics**

**Revision Worksheet**


**Students Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Class/Section:** \_\_\_\_\_

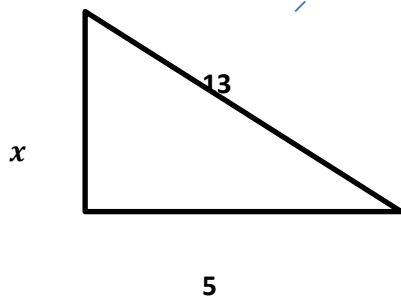
**Unit 9- Area and Volume**

**Section A**

1. The side of the right angled triangle opposite to the  $90^\circ$  angle is.....
2. The curved surface area of a cylinder of radius  $r$  unit is .....
3. In the triangle  $x$   10 , the value of  $x$  is
4. The area of an equilateral triangle of side 2 cm is .....
5. Volume of a cube of side 5 cm is .....

**Section B**

- 1.a) Find the length of the missing side in each of right – angled triangle?



- b) The area of an equilateral triangle is  $173.2 m^2$ . Find its perimeter.
2. a) Find the area of a scalene triangle whose sides are 6cm, 5cm and 8 cm.  
b) Find the length of the height of the triangle corresponding to the longest side.
3. a) Find the volume of a cone of height 12 cm and radius 8cm.  
b) Find the height of a cone whose volume  $2.5l$  and radius 10 cm.

**Section C**

1. A rectangular block of metal measuring 77cm by 28cm by 18cm is melted and molded into a solid sphere. Calculate the radius of the sphere thus formed.
- 2.a. ABC is an equilateral triangle with each side 10 units. Find the length of its altitude.  
b. The diagonal of a square is  $5\sqrt{2}$  units. Find its perimeter.