

Process Standards Rubric



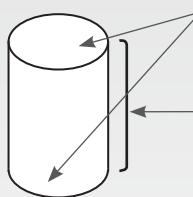
Geometry



Task Sheet 14

Surface Area of a Cylinder

- 14) To find the surface area of a cylinder, first find the area of the circles at the top and the bottom of the cylinder, then find the area of the middle part of the cylinder.



Step 1: Find the surface area of both circles.

$$\text{Surface area} = 2\pi r^2$$

Step 2: Find the area of the middle of the cylinder.

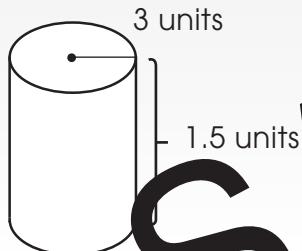
$$\text{Surface area of the middle} = 2\pi rh$$

Step 3: Add both surface areas together to get the total surface area of the cylinder.



Find the surface area of each cylinder below.

a)



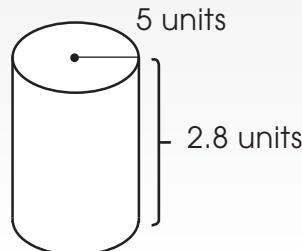
_____ square units

b)



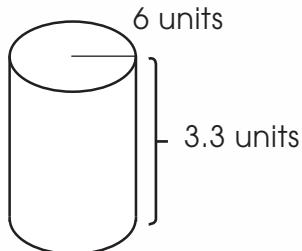
_____ square units

c)



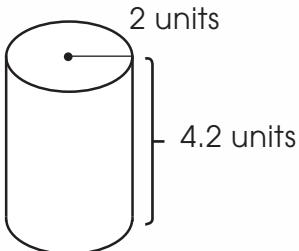
_____ square units

d)



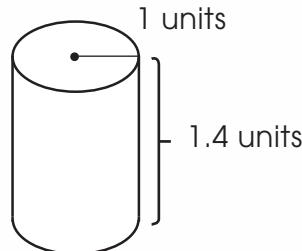
_____ square units

e)



_____ square units

f)



_____ square units

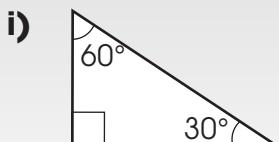
NAME: _____

Review Sheet

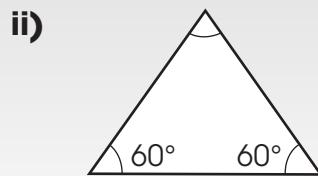


Review B

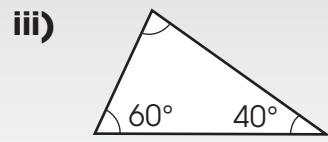
- a) Find the missing angle.



_____ °



_____ °



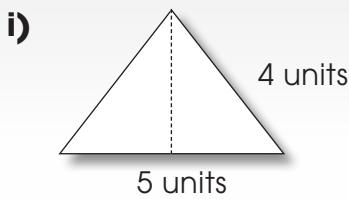
_____ °

- b) What are the differences between equilateral, isosceles, and scalene triangles?

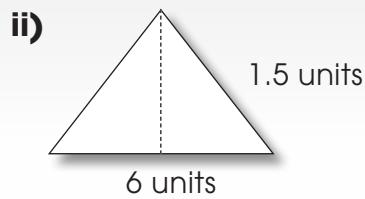
- c) What are the differences between right, obtuse, and acute triangles?

- d) What is the formula for finding the area of a triangle? _____

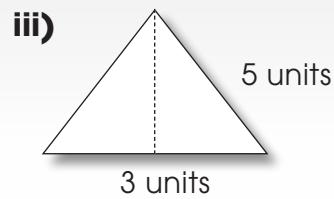
- e) Find the area of the following triangles below.



_____ square units



_____ square units



_____ square units

Pythagorean Theorem



The hypotenuse of a **right triangle** is the side that is opposite the right angle, or the “long side” of the triangle. The other two sides are the “legs” of the triangle.

The theory is $a^2 + b^2 = c^2$ (c^2 is the hypotenuse)

Find the hypotenuse for the following triangles below.

