



Geometry of Marine Invertebrates Cylinder Surface Area Practice

Do the four problems below. Use 3.14 for π , and be sure to include the correct square units.

The surface area of a cylinder is given by the formula:

$$A = 2\pi r^2 + 2\pi rh = 2\pi r(r + h)$$

In other words, you can use either of the two equal formulas above

$$A = 2\pi r^2 + 2\pi rh$$

OR

$$A = 2\pi r(r + h)$$

- 1) Find the surface area of a cylinder with the following measurements: radius = 2 cm, height = 4 cm. Use 3.14 for pi.
- 2) Find the surface area of a cylinder with the following measurements: radius = 8 m, height = 26 m. Use 3.14 for pi.
- 3) Find the surface area of a cylinder with the following measurements: radius = 2 in, height = 21 in
- 4) Find the surface area of a cylinder with the following measurements: radius = 9 m, height = 15 m