## Surface area of a Cylinder

Name: $\qquad$
Picture below are three cylindrical tins of water. Answer the questions.

Tin 1

Tin 2
$r=5 \mathrm{~cm}$

Tin 3

1) The height and radius of a cylinder are 20 cm and 4 cm respectively. Find the surface area of tin 2 .
2) Which tin contains less water: Tin 1 or Tin 2 ?
3) What is the height of tin 1 ?
4) What is the surface area of tin 3 ?
$\qquad$
5) Which tin contains more water: Tin 3 or Tin 1?
$\qquad$
6) What is the height of tin 2 ?
$\qquad$
7) Which has a lower height: Tin 2 or Tin 3?
8) What is the radius of tin 1 ?
9) If the height of tin 3 is increased by 2 cm , then find the surface area of tin 3 .
10) Find the surface area of cylinder with radius of 6 cm and a height of 15 cm .
$\qquad$
Picture below are three cylindrical tins of water. Answer the questions.

Tin 1

Tin 2
$r=5 \mathrm{~cm}$

Tin 3
11) The height and radius of a cylinder are 20 cm and 4 cm respectively. Find the surface area of tin 2 . $603.19 \mathrm{~cm}^{2}$
12) Which tin contains less water: Tin 1 or Tin 2 ?

Tin 2
3) What is the height of tin 1 ?

15 cm
4) What is the surface area of $\operatorname{tin} 3$ ?
$848.23 \mathrm{~cm}^{2}$
5) Which tin contains more water: Tin 3 or Tin 1 ?

Tin 3
6) What is the height of tin 2 ?

20 cm
7) Which has a lower height: Tin 2 or Tin 3?

Tin 2
8) What is the radius of tin 1 ?

6 cm
9) If the height of $\operatorname{tin} 3$ is increased by 2 cm , then find the surface area of tin 3.
$911.06 \mathrm{~cm}^{2}$
10) Find the surface area of cylinder with radius of 6 cm and a height of 15 cm .

