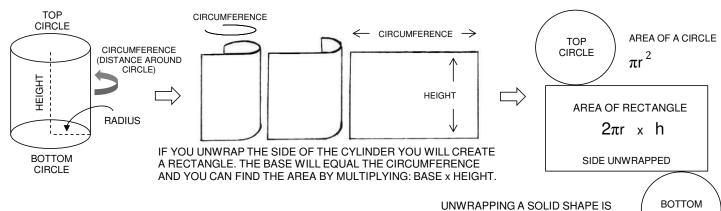
BEFORE YOU START YOU SHOULD KNOW HOW TO FIND THE AREA AND CIRCUMFERENCE (PERIMETER) OF A CIRCLE.

AREA OF A CIRCLE = πr^2

CIRCUMFERENCE OF A CIRCLE = $2\pi r$

WHERE " π " IS APPROXIMATELY 3.14 AND " r " IS THE RADIUS OF THE CIRCLE OR HALF THE DIAMETER.

THE **SURFACE AREA** OF A CYLINDER IS THE TOTAL AREA OF ITS SURFACE. A CYLINDER HAS TWO CIRCLES AND A "WRAPPER" GOING AROUND THE OUTSIDE. BELOW IS A MORE DETAILED DESCRIPTION.

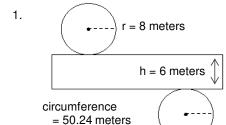


IF YOU FORGOT: 2 x radius = diameter

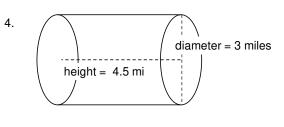
ADD THE PIECES TOGETHER

SURFACE AREA OF CYLINDER = $\pi r^2 + \pi r^2 + 2\pi r \times h$ TOP + BOTTOM + SIDE OF CYLINDER

Now your turn. Find the surface area of each solid shape or net. Use 3.14 for π , and round all answers to the nearest whole number.

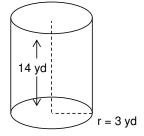


703 m²

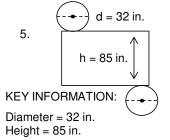


57 miles²

2.



320 yd²



10,148 inches²

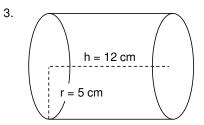
LABEL YOUR ANSWERS.

CIRCLE

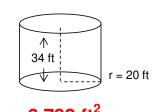
ALSO CALLED A **NET**. A NET SHOWS

6.

ALL THE FACES ON A FLAT SURFACE.



534 cm²



6,782 ft²

- 7. Which statement is true? A cylinder is made up of 3 identical circles.
 - A cylinder is made up of 3 rectangles.
 - A cylinder is made up of 2 identical circles and 1 rectangle.