TB p. 111

11. a) The area of the base of this right circular cylinder is greater than 904.78 cm². What is the minimum measure of the radius, to the nearest whole number?



Before you go...

- 1. Represent the following inequalities on a number line, and as intervals.
- a) $-2 < x \le 3$
- b) x < -1
- 2. Translate the following into an inequality: Although it is cold on planet Mars, the temperature is usually at least -140 degrees.
- 3. Which inequality symbol is used to represent the word maximum?

Inequalities and Geometry

TB p.113 # 19

By connecting the vertices of a cube and a right prism, we can make some figures. What integer values of x give the right triangle an area that is greater than that of the rectangle?

$$(6x-6) \text{ cm} \qquad (6x+2) \text{ cm$$