ABC is a triangle in which AB=AC=4 cm and angle A=90 degrees. Calculate the area of triangle ABC.
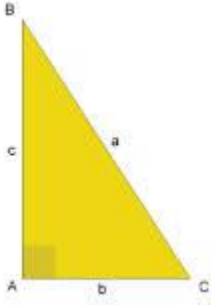
Solution

The Area of triangle ABC is calculated by the following formula:

$$S_{\Delta ABC} = \frac{1}{2}|AC| \cdot |AB| = \frac{1}{2} \times 4\ cm \times 4\ cm = \frac{16}{2}\ cm^2 = 8\ (cm^2)$$

Answer: $8\ cm^2$.