

# Mathematics

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(Chapter – 12) (Heron's Formula)(Exemplar Problems)

(Class – IX)

## Exercise 12.2

Write **True** or **False** and justify your answer:

### Question 4:

The area of the equilateral triangle is  $20\sqrt{3}\text{cm}^2$  whose each side is 8 cm.

### Answer 4:

False

Given, side of an equilateral triangle be 8 cm.

∴ Area of a equilateral triangle

$$= \frac{\sqrt{3}}{4} (\text{Side})^2$$

$$= \frac{\sqrt{3}}{4} \times (8)^2$$

$$= \frac{64}{4} \sqrt{3}$$

$$= 16\sqrt{3}\text{cm}^2$$

