

10

$$AB^2 = AC^2 + BC^2$$

$$S_1 + S_2 = 4S$$
$$+ 2ab$$
$$= c^2 + 2ab$$
$$a^2 + b^2$$

$$c^2 = a^2 + b^2$$

$$c = \sqrt{a^2 + b^2}$$

$$a = \sqrt{c^2 - b^2}$$

$$b = \sqrt{c^2 - a^2}$$



$$S_1 + S_2 = 4S$$
$$= a^2 + b^2$$

# MATHEMATICS



DEPARTMENT OF SCHOOL EDUCATION  
GOVERNMENT OF TAMIL NADU

**LIVEWORKSHEETS**