

Goldenrule

$$Ac^2 = AB^2 + Bc^2$$

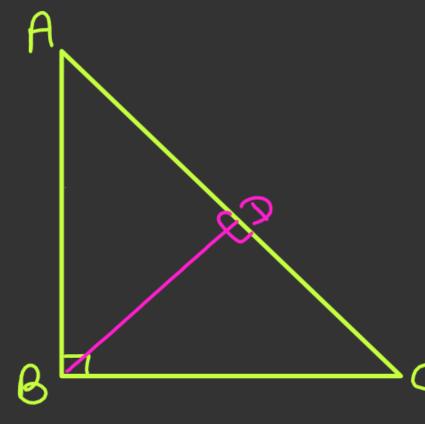
$$ardABC = \frac{1}{2} \times BC \times AB = \frac{1}{2} \times AC \times BD$$

$$\frac{ABXBC}{AC} = BD$$

$$\frac{1}{BD^2} = \frac{1}{AB^2} + \frac{1}{BC^2}$$

$$\left(\frac{1}{BD}\right)^{2} = \left(\frac{AC}{ABXBC}\right)^{2}$$

$$\frac{1}{BD^{2}} = \frac{AC^{2}}{AB^{2}XBC^{2}} = \frac{AB^{2}+BC^{2}}{AB^{2}XBC^{2}} = \frac{1}{AB^{2}XBC^{2}} = \frac{1}{AB^{2}XBC^{2}}$$



(iii)
$$BD^{2} = ADXDC$$

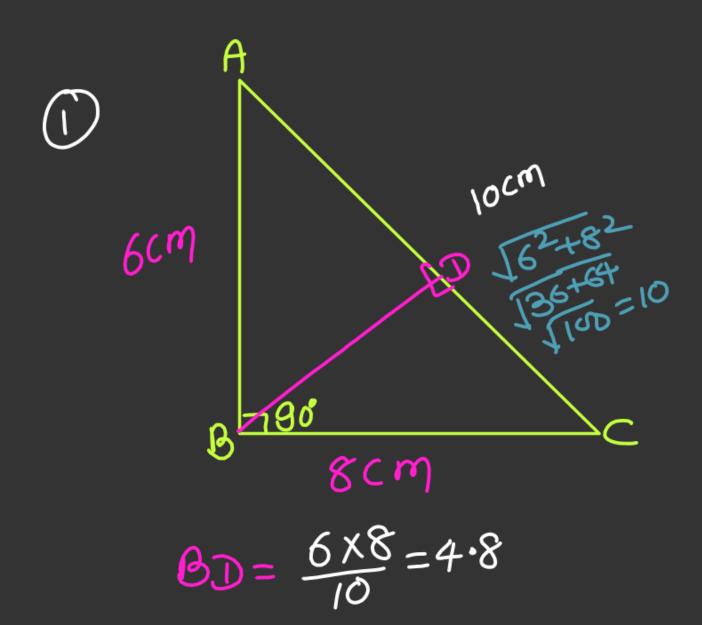
(iv)
$$AB^2 = ADXAC$$

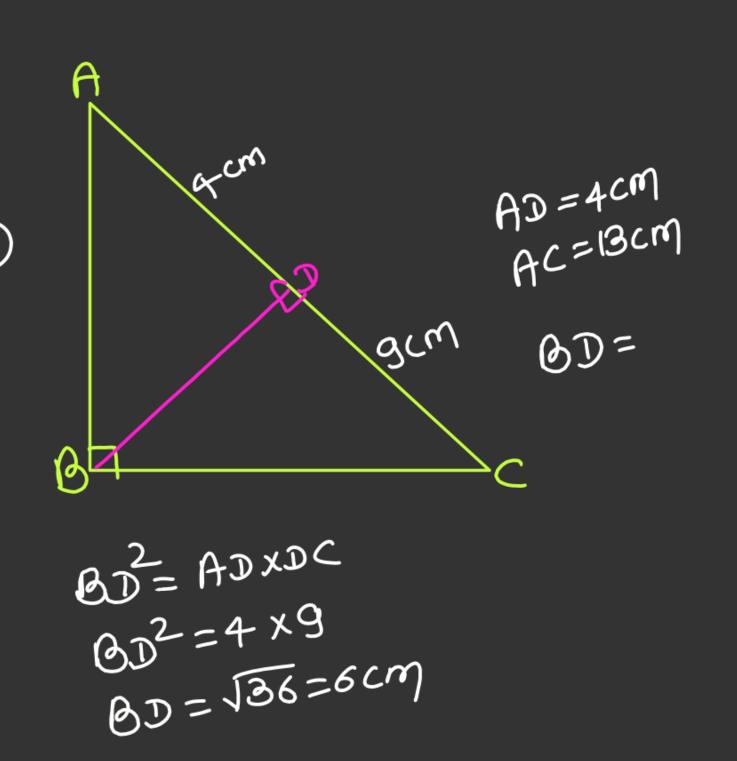
Goldenrule

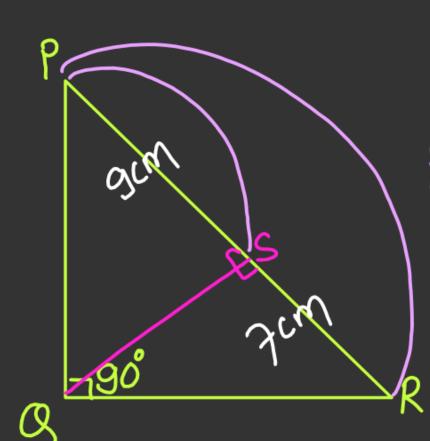
$$(V) BC^{2} = CDXAC$$

$$(V) AB^{2} = ADXAC = AD$$

$$CDXAC = CD$$

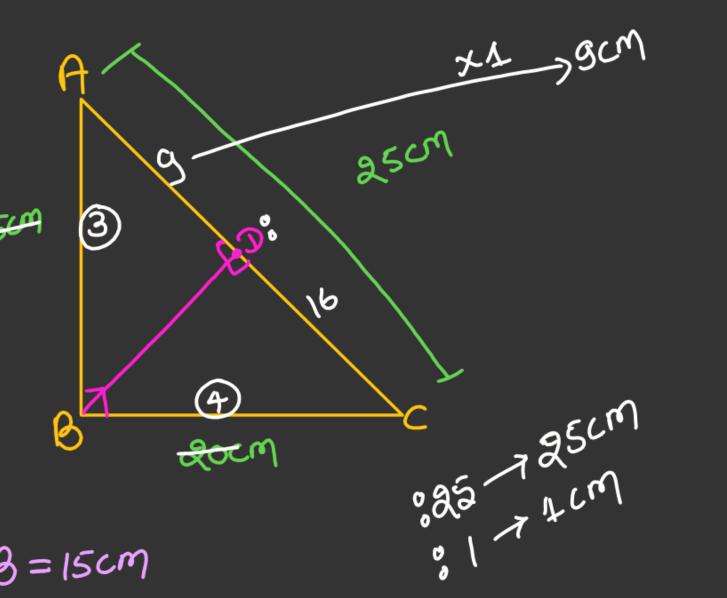






$$pgR = psxpR$$

$$= 9 \times 16$$



$$ps = gcm$$

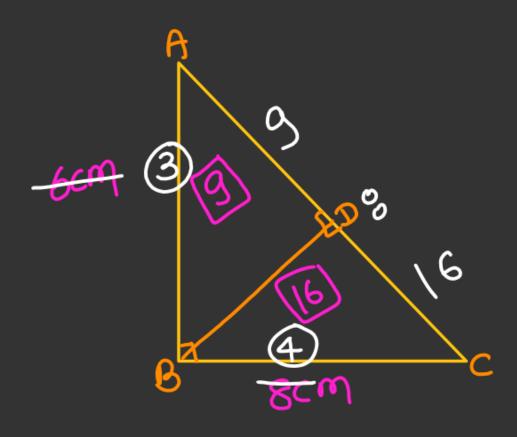
$$sR = 7cm$$

$$ps = gcm$$

$$AD = AB^2 = ADXAC$$

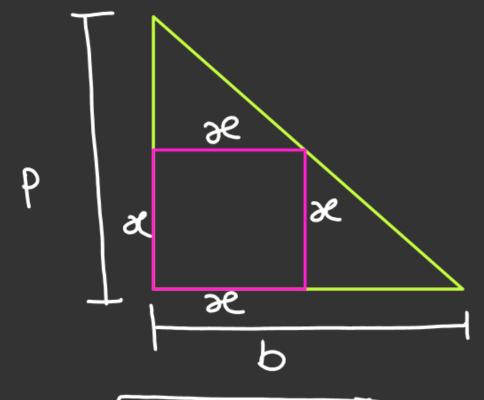
$$45X45 = ADXAS$$

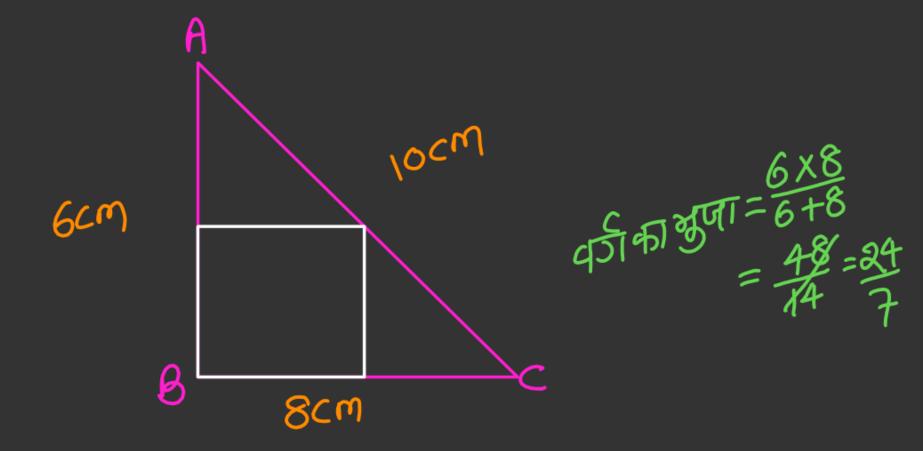
$$9$$



$$ar1960 - 4x6x8 = 24cm^2$$

concept



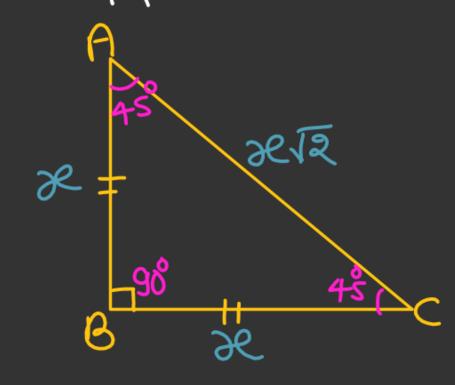


AB+6cm

$$AC \to 10$$
cm
 $as = (24)^2 = 576 \text{ cm}^2$
 $as = 576 \text{ cm}^2$

Isoceles Right Angled

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$$\begin{array}{l} \text{(ii) & flathm} = \frac{1}{2} \times 2 \times 2 = \frac{2}{2} = \frac{2}{2} \times 2 = \frac{2}{2} = \frac{2}{2} \times 2 = \frac{2}{2}$$

Area =
$$\frac{H^2}{4} = \frac{10^2}{4} = \frac{100}{4} = 25 \text{cm}^2$$