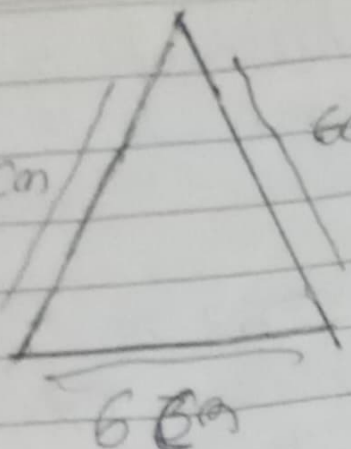
Hw
3/12/21

EX6(B)

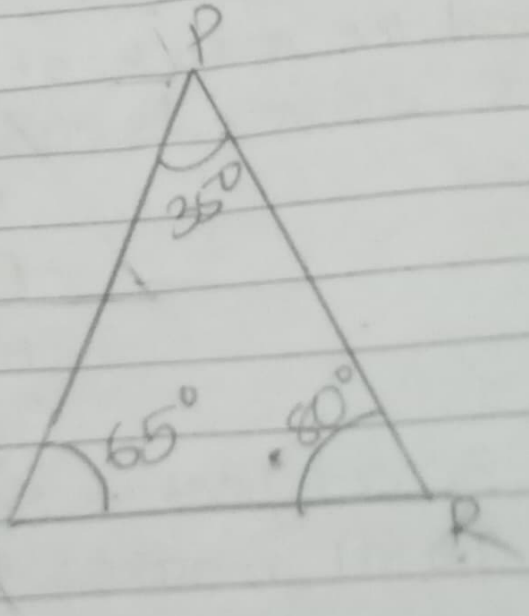
a



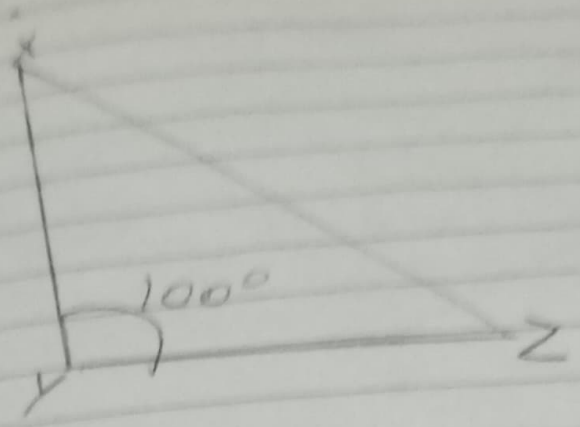
As the 3 sides are equal so it's called equilateral triangle.

∴ As the 3 sides are equal in length of this triangle that is 6 Cm so it's called as. Equilateral Triangle.

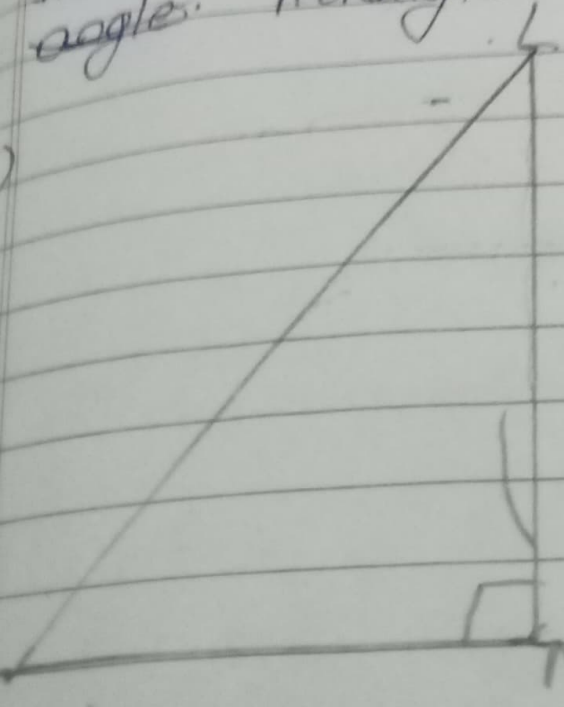
b



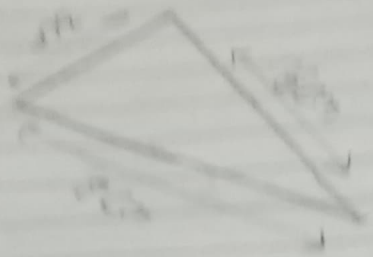
As the 3 angles are measured less than 90° 90° so it's an Acute Triangle



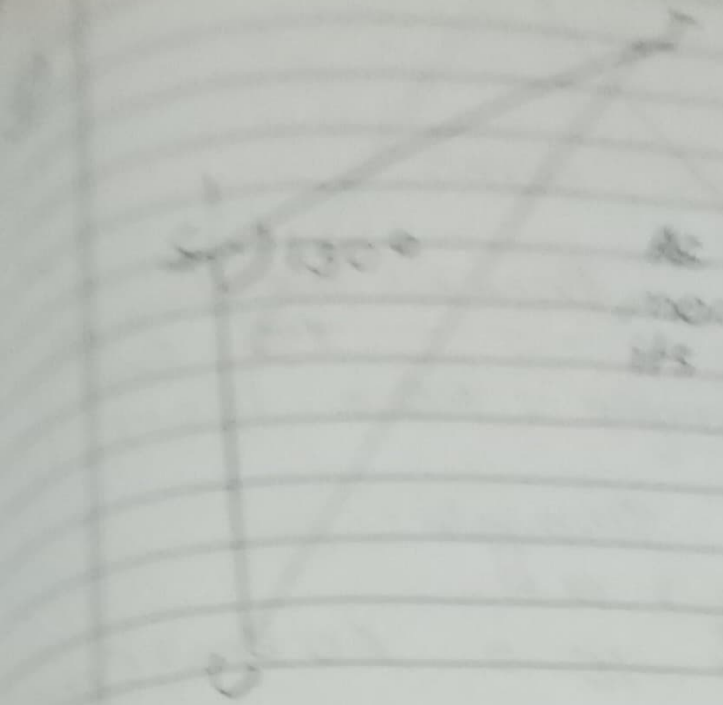
As the angle of the Triangle measures more than 90° so its called as obtuse angle. Triangle

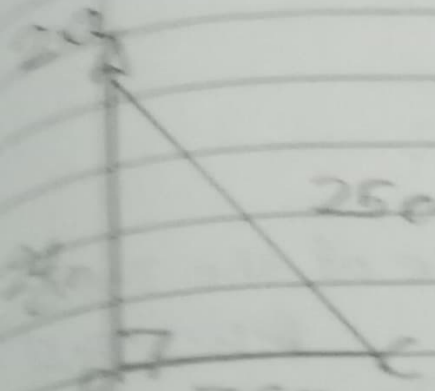


As the triangle measures Equal to 90° so its called Right Triangle



All the sides are different so it is called as Scalene Triangle





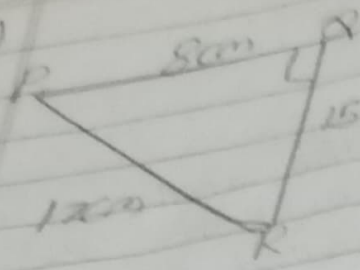
Given base of the triangle
$BC = 7cm$
Height of the triangle =
$AB = 24cm$
Area of triangle ABC =

$$\frac{1}{2} \times BC \times AB$$

$$= \frac{1}{2} \times 7 \times 24^{12} = 84\ cm^2$$

Ans: (B)

b)



Given:

Base of the Triangle PQ = 8cm

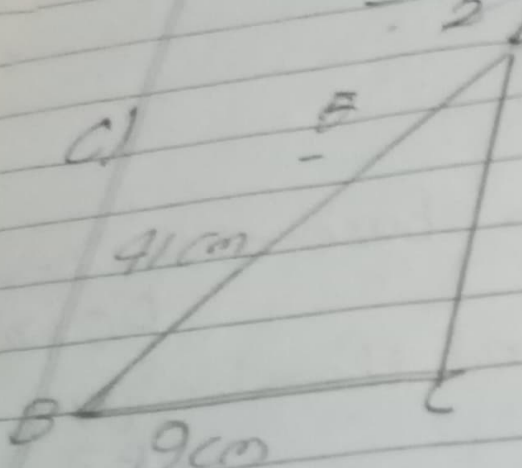
Height of the Triangle = RQ = 15cm

Area of the Triangle:

$PQR = \frac{1}{2} \times PQ \times QR$

$= \frac{1}{2} \times 8 \times 15 = 60 \text{ cm}^2$ (Ans)

c)



Given:

Base of the Triangle BC = 9cm

Height of the triangle = DC = 40cm

Area of the Triangle, $BCD = \frac{1}{2} \times BC \times DC$

$= \frac{1}{2} \times 9 \times 40 = 180$ (Ans)