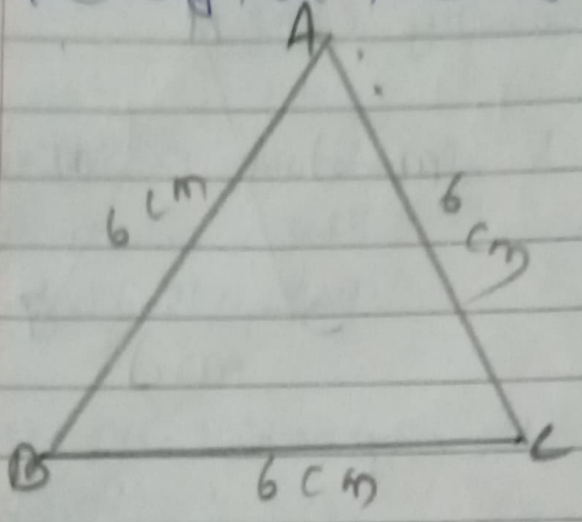
EXERCISE 15 (B)

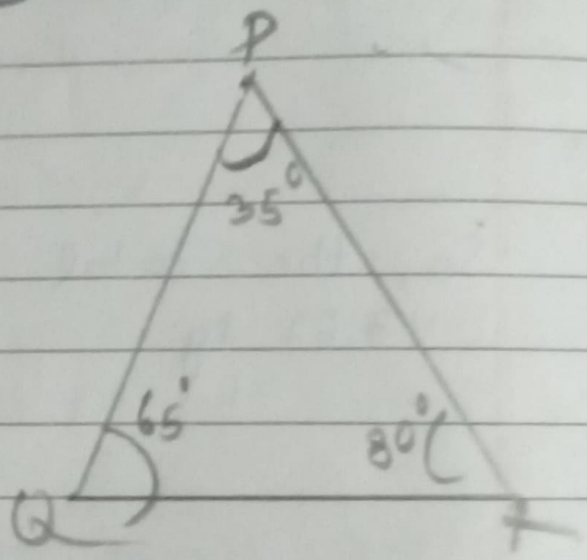
1) Classify the following triangles:

a)

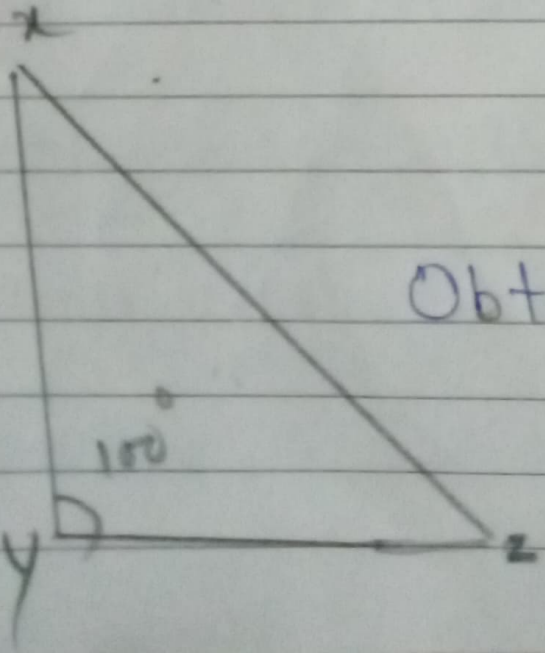


Equilateral triangles

b) Acute triangle



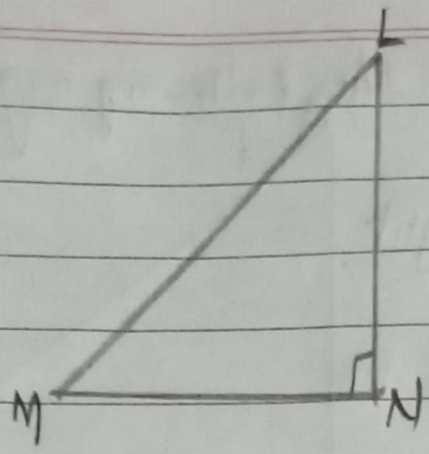
c)



Obtuse triangle

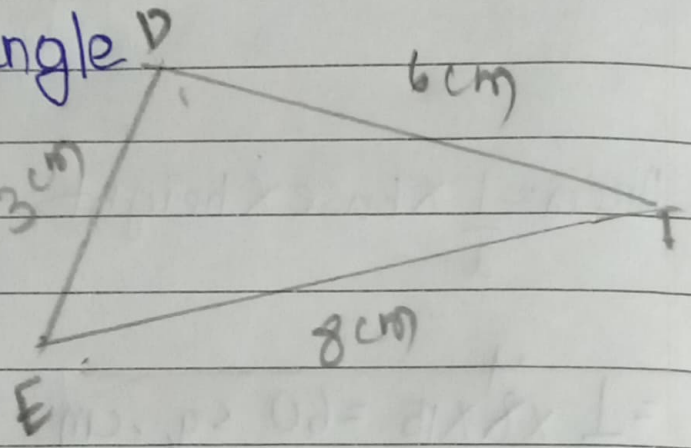
(1)

d)

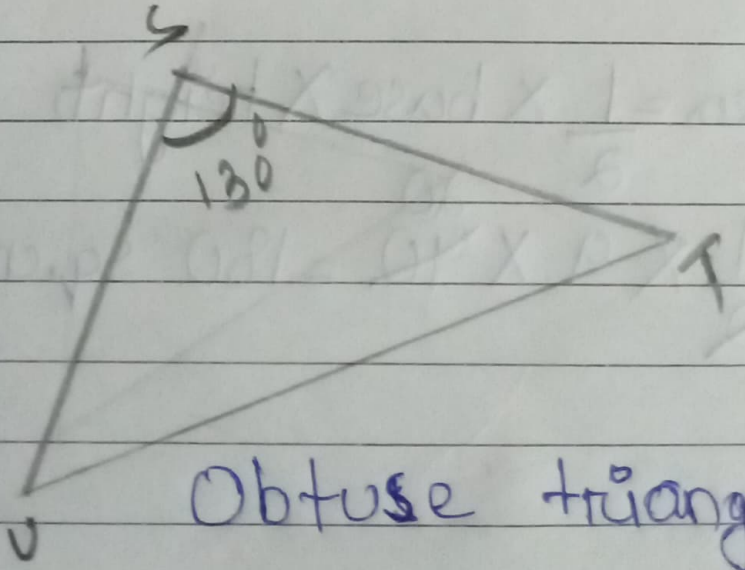


Right triangle

e) Scalene triangle



f)

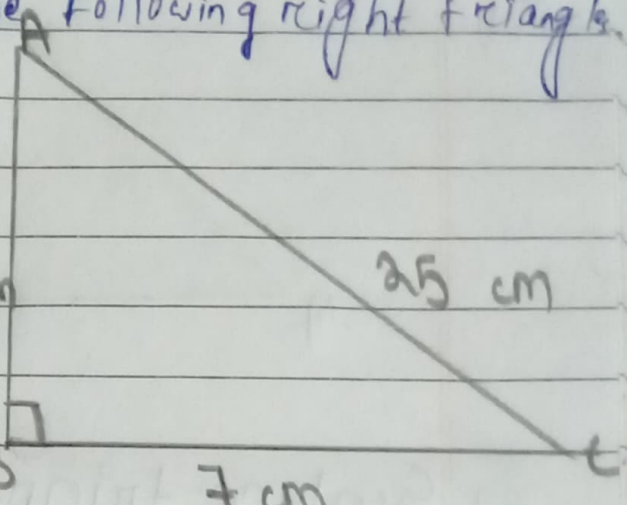


Obtuse triangle

2) Find the area of the following right triangle.

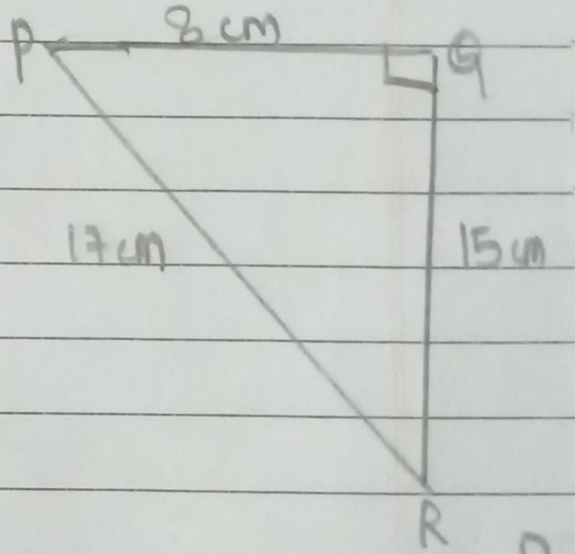
a) Area $= \frac{1}{2} \times$ base $\times$ height

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



b) Area $= \frac{1}{2} \times$ base $\times$ height

$= \frac{1}{2} \times 8^{4} \times 15 = 60$ sq. cm



c) Area $= \frac{1}{2} \times$ base $\times$ height

$= \frac{1}{2} \times 9 \times 40^{20} = 180$ sq.cm