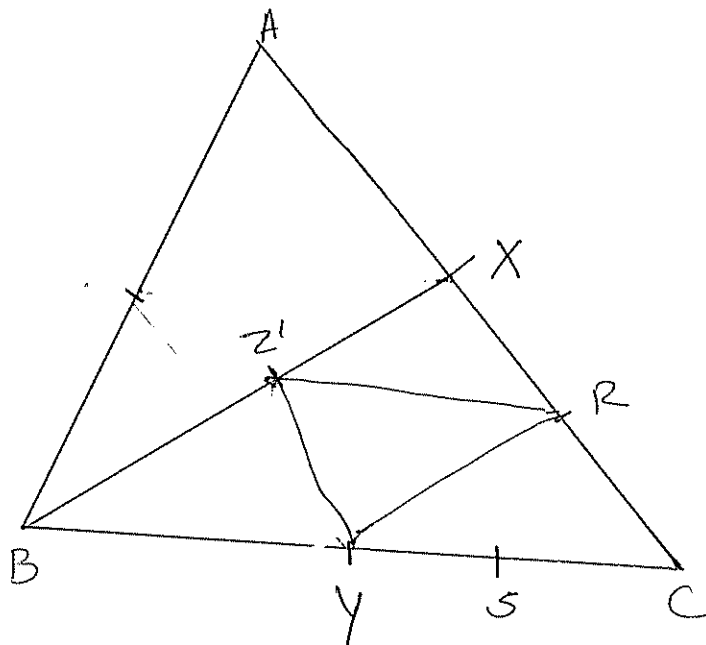




Area of $\triangle ABX = 32$ units.

$\Rightarrow$ Area of $\triangle BCX = 32$ units

Let the mid point of BX be Z'

$\Rightarrow$ Area of $\triangle Z'RY = \frac{1}{4} \times 32 = 8$ units.

(Theorem: Area of $\triangle$ formed by mid points of the sides is $\frac{1}{4}$ the area of the main triangle).

Since S is mid point of YC .

Area of triang $SRC = \frac{1}{2}$ Area of YRC .

$= 8 \times \frac{1}{2} = 4$ units.