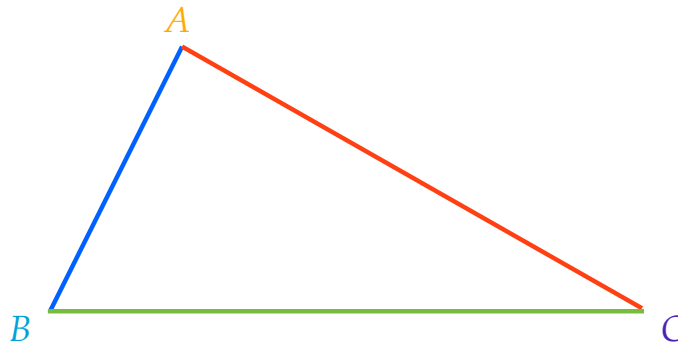
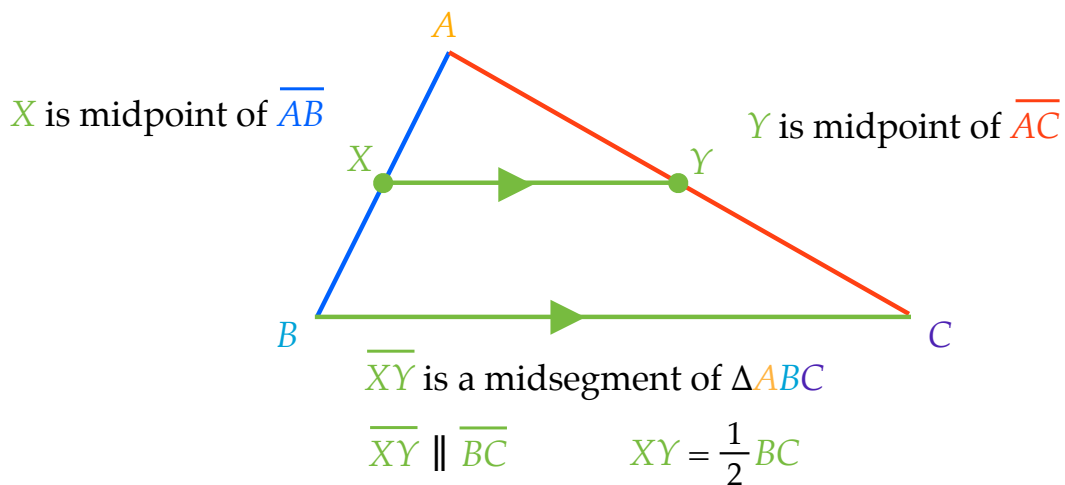


The Midsegment of a Triangle

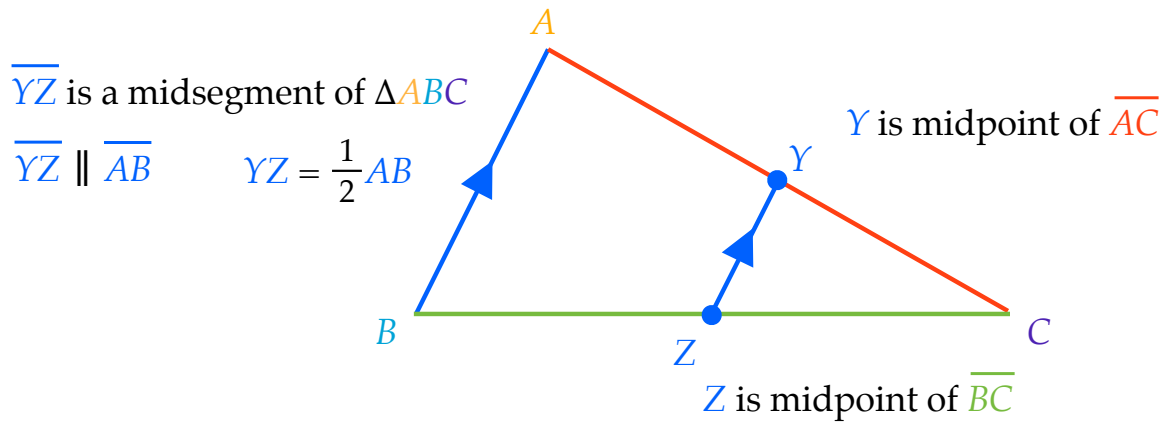
A segment whose endpoints are the midpoints of two sides of a triangle.



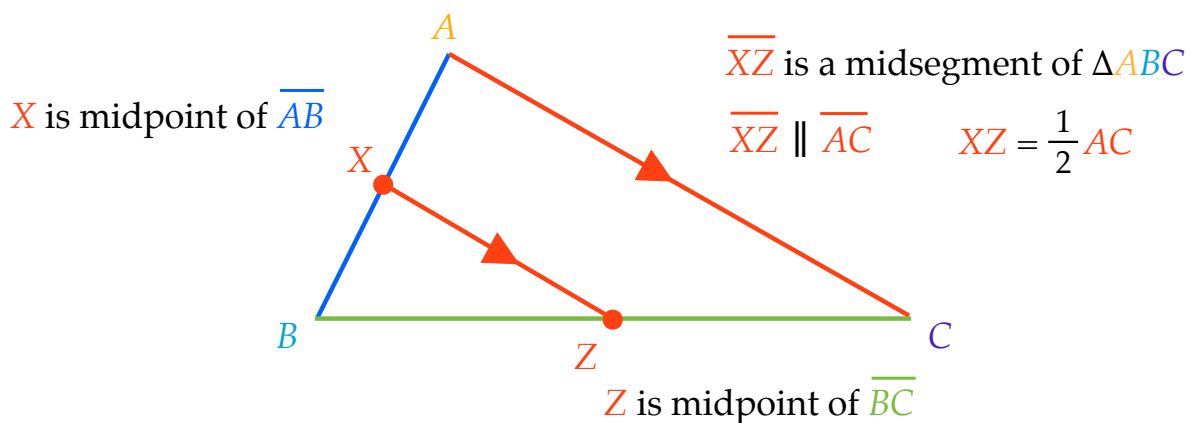
1. The midsegment is parallel to the third side of the triangle.
2. Its measure is equal one-half the length of the third side.



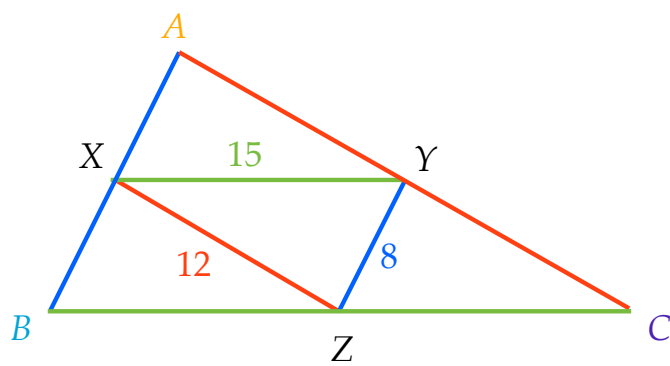
1. The midsegment is parallel to the **third side** of the triangle.
2. Its measure is equal one-half the length of the **third side**.



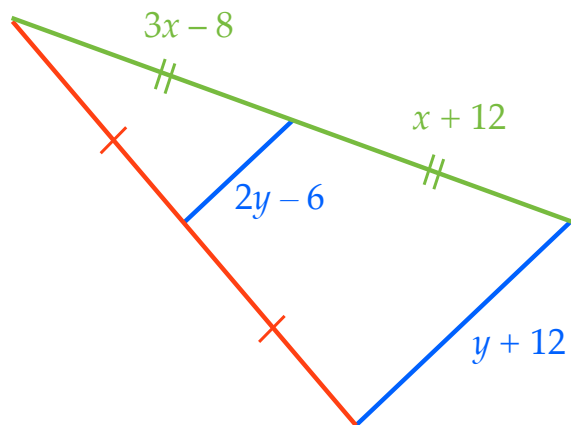
1. The midsegment is parallel to the **third side** of the triangle.
2. Its measure is equal one-half the length of the **third side**.



\overline{XY} , \overline{YZ} , and \overline{XZ} are midsegment of $\triangle ABC$.
 If $XY = 15$, $YZ = 8$, and $XZ = 12$, find the perimeter of $\triangle ABC$.

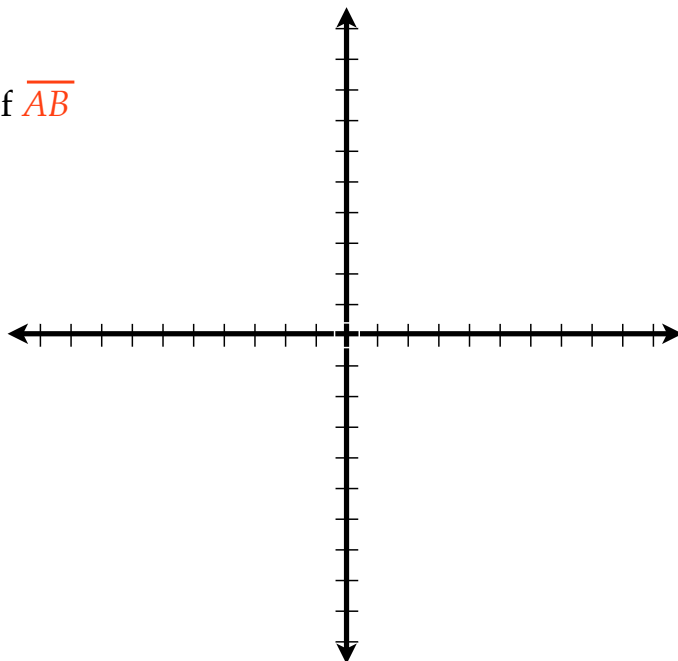


Solve for x and y



$\triangle ABC$ are $A(-4,-2)$, $B(8,-4)$ and $C(-2,6)$.

Determine the coordinate of X , the midpoint of \overline{AB} and Y , the midpoint of \overline{BC} .



A segment whose endpoints are the midpoints of two sides of a triangle.

1. The midsegment is parallel to the third side of the triangle.
2. Its measure is equal one-half the length of the third side.

