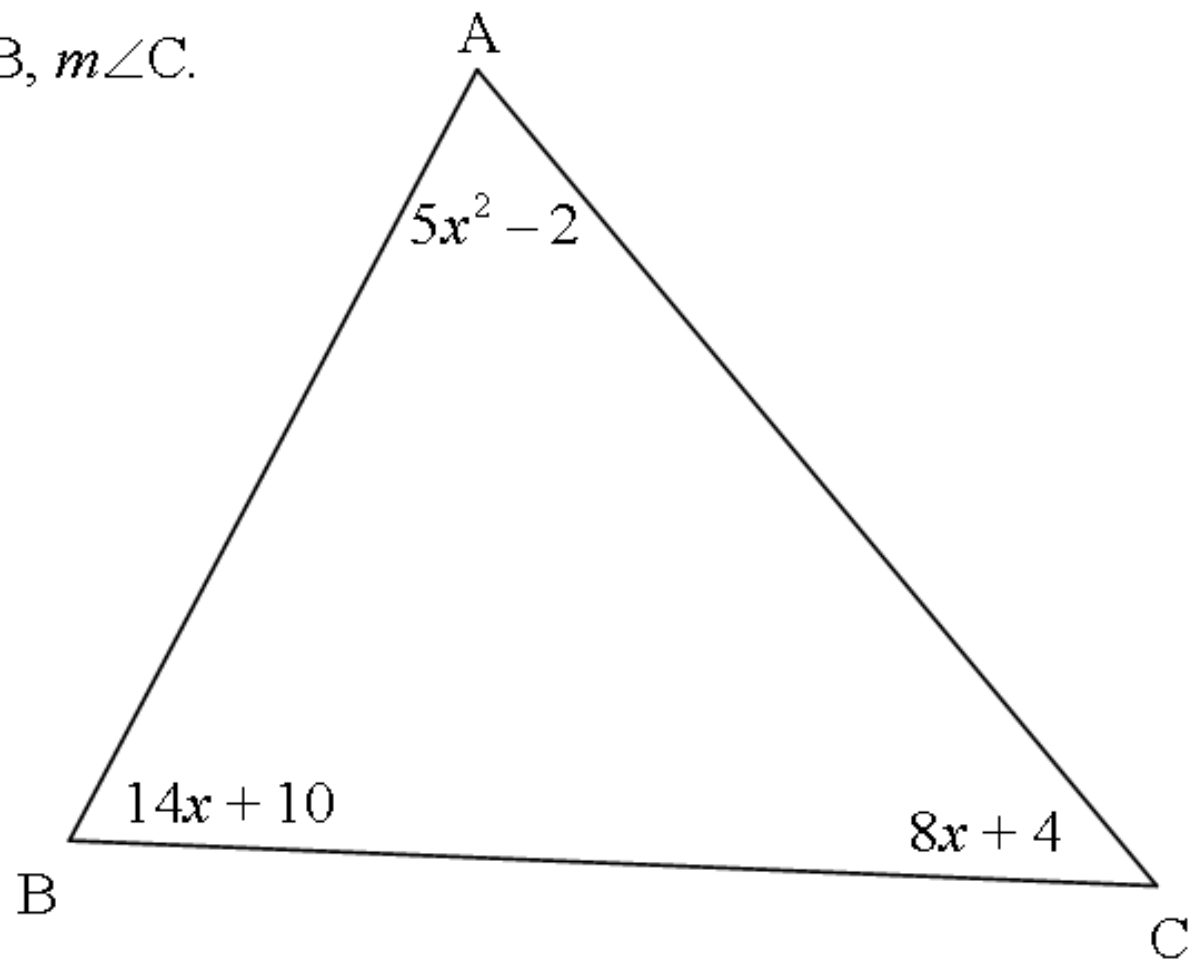
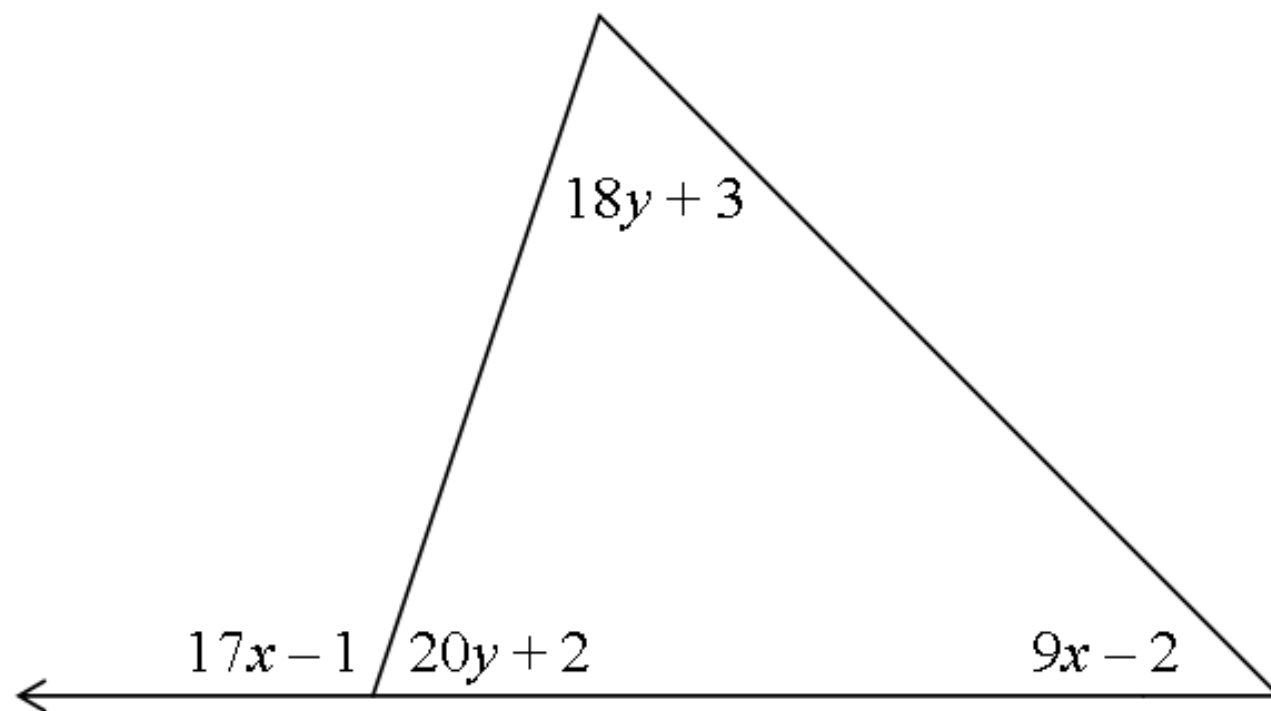


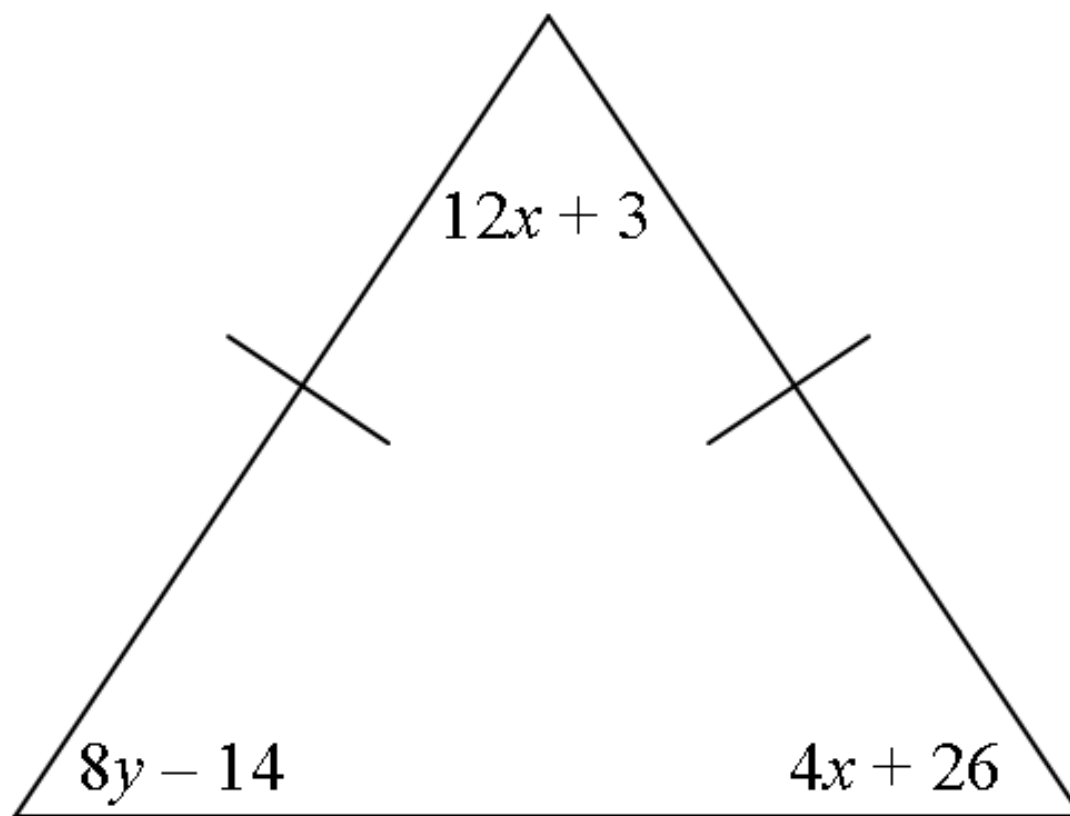
1. Find x , $m\angle A$, $m\angle B$, $m\angle C$.



2. Find x and y .

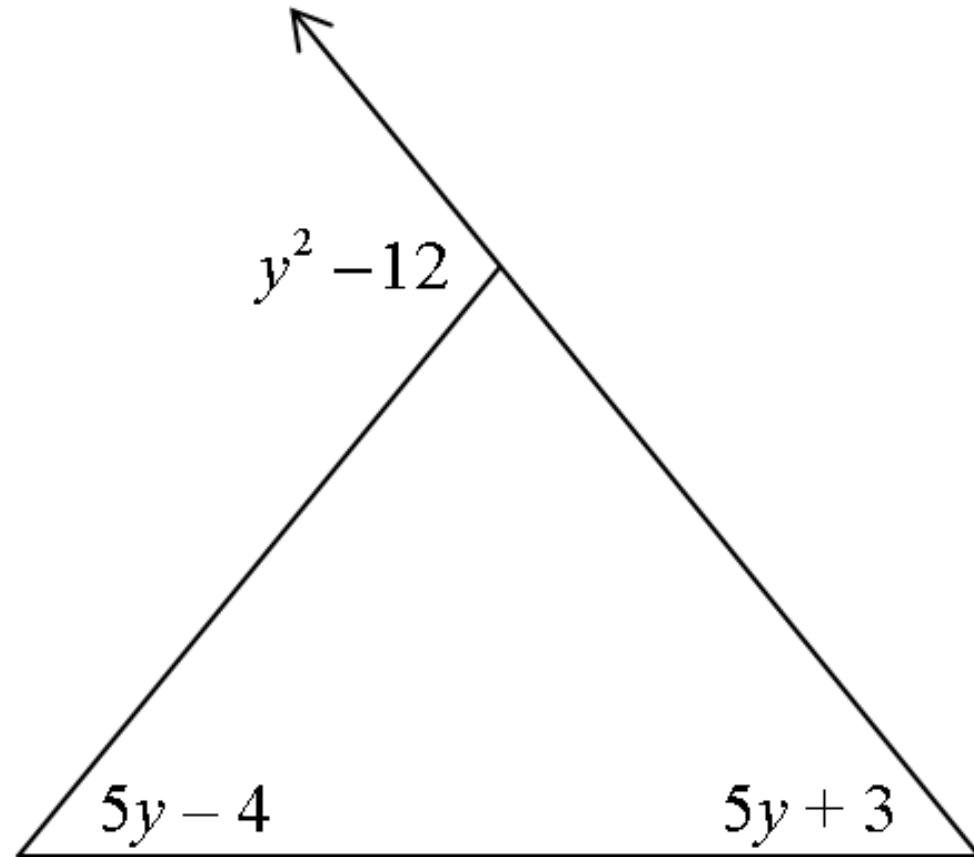


3. Find x and y .



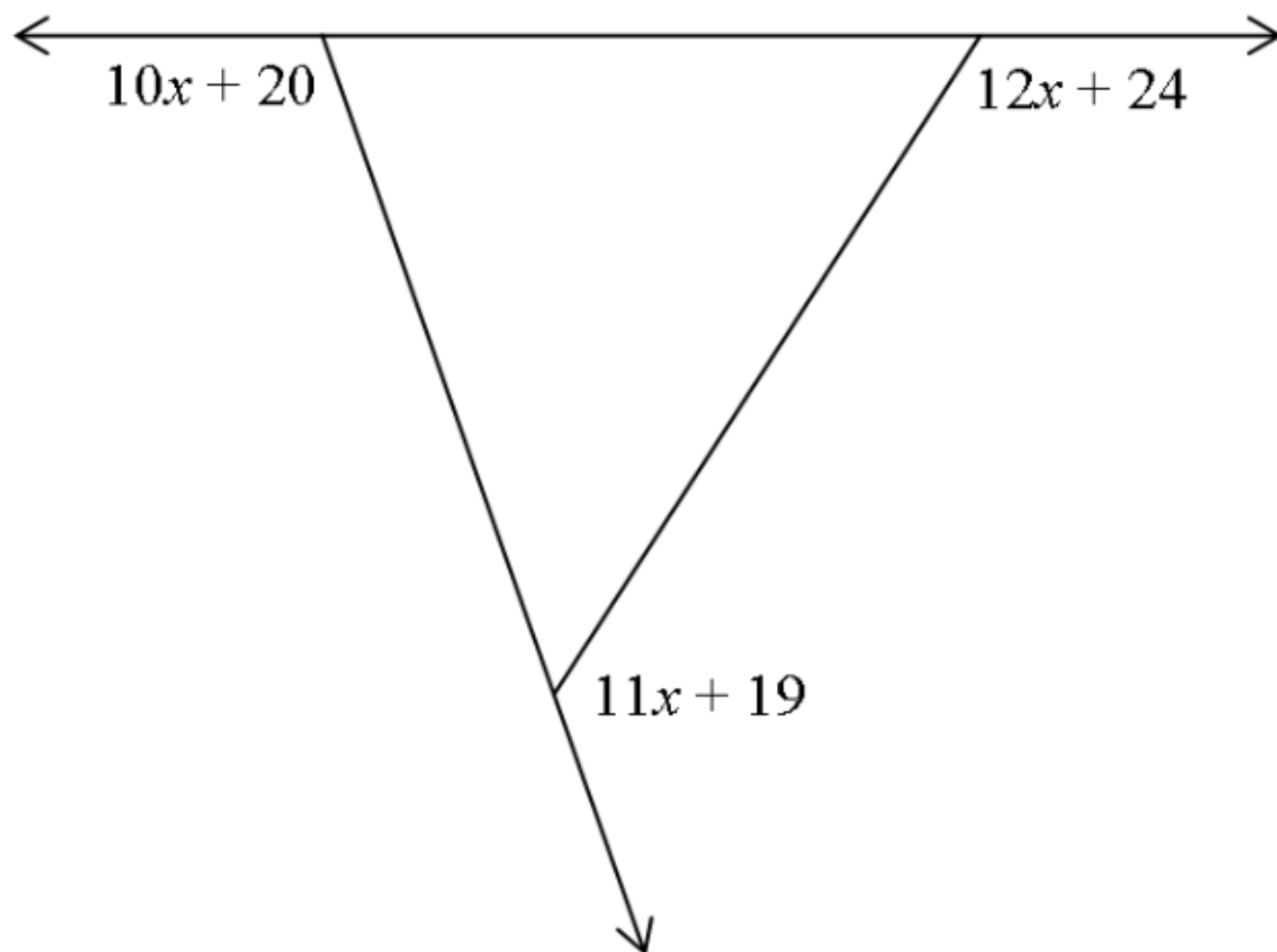
4. Find the measure of the base of isosceles triangle ABC if $AB = 10x - \frac{20}{7}$, $BC = 17x - 9$, $AC = 10x + 22$, and the perimeter of $\triangle ABC$ is 174 units.

5. Find y .



6. In $\triangle ABC$, $m\angle A$ is twelve more than twice $m\angle B$ and $m\angle B$ is 20 less than $m\angle C$. Find the measure of each angle.

7. Find x .



8. Find x and y .

