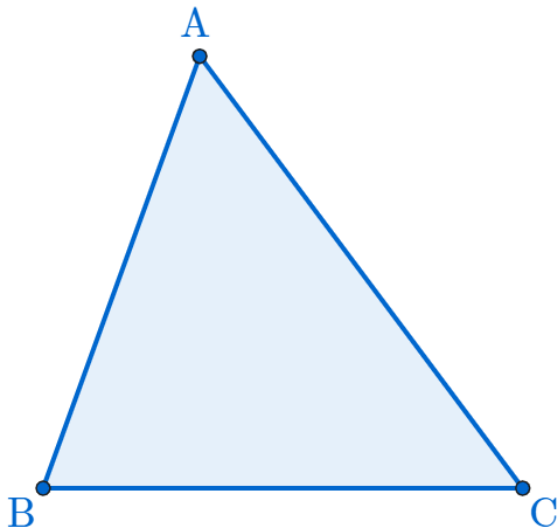
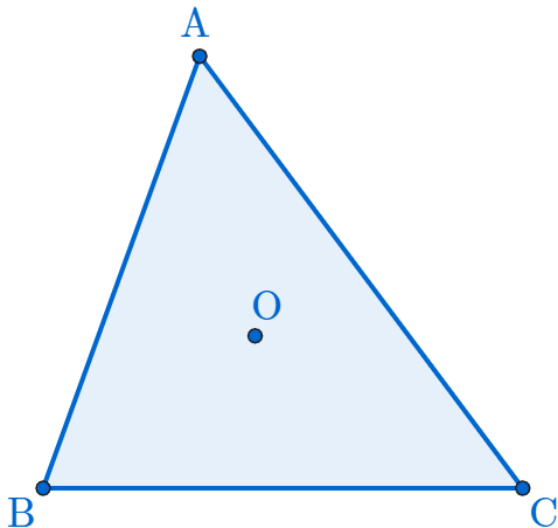
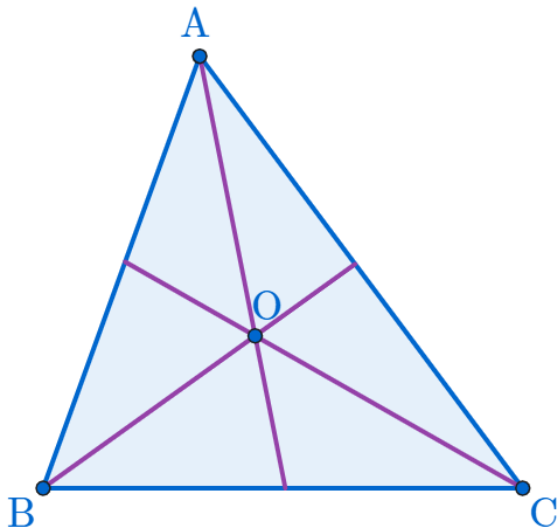


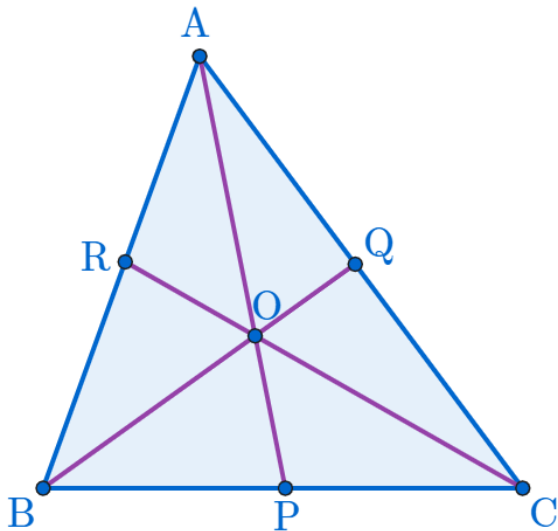
게르곤느의 정리

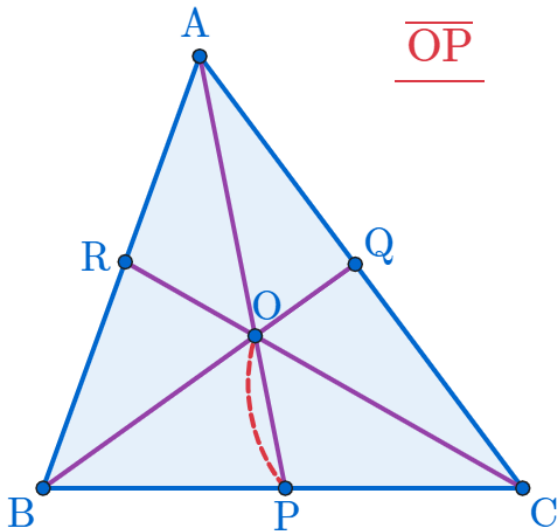
(Gergonne's Theorem)

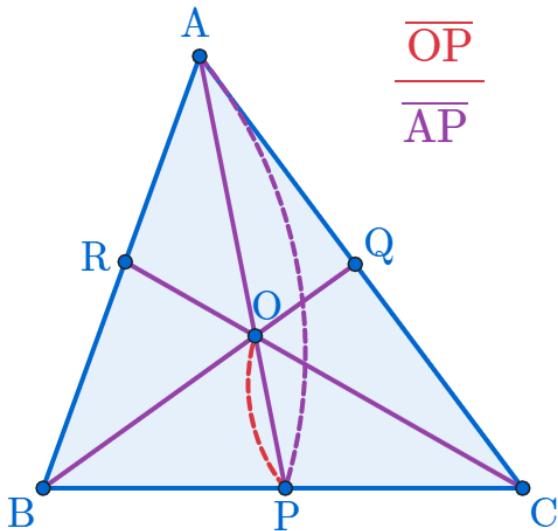


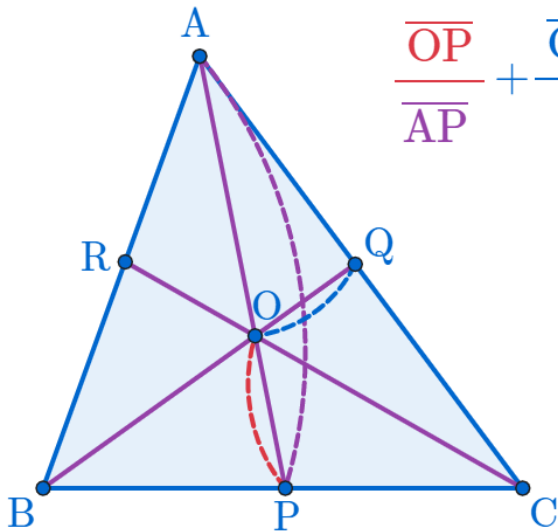




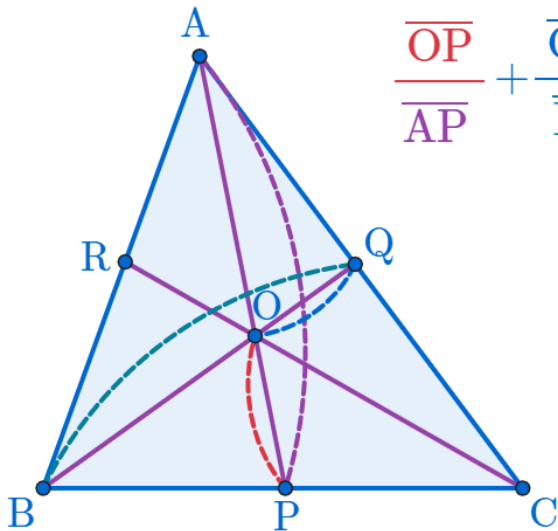




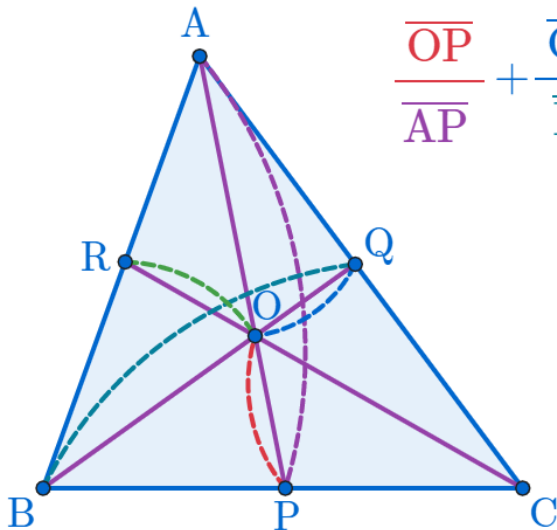




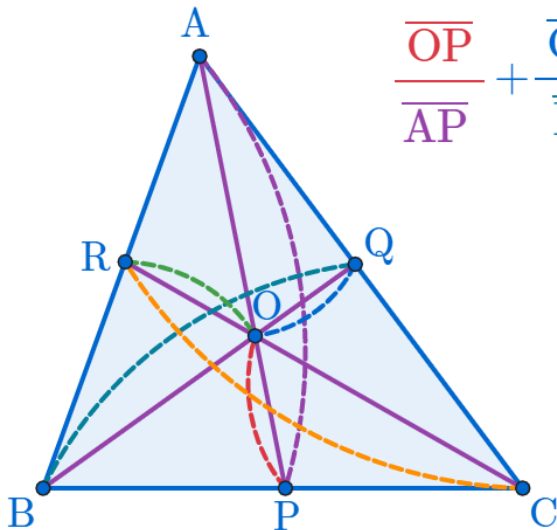
$$\frac{\overline{OP}}{\overline{AP}} + \frac{\overline{OQ}}{\overline{AQ}}$$



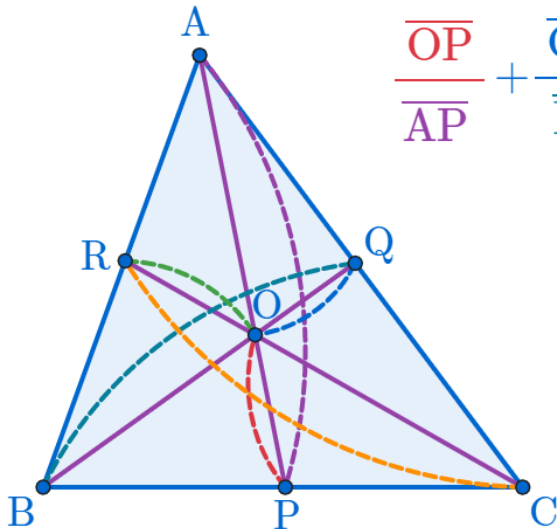
$$\frac{\overline{OP}}{\overline{AP}} + \frac{\overline{OQ}}{\overline{BQ}}$$



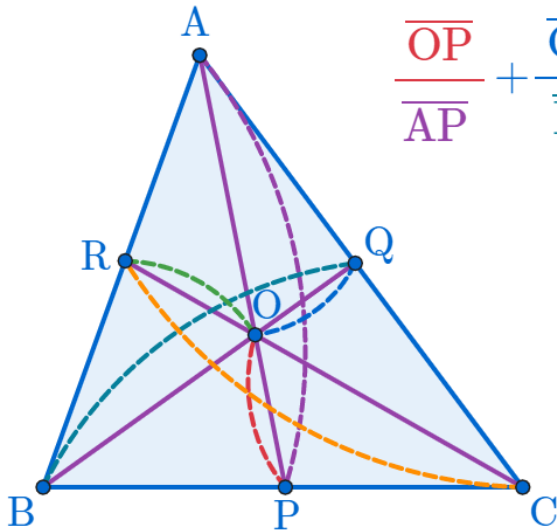
$$\frac{\overline{OP}}{\overline{AP}} + \frac{\overline{OQ}}{\overline{BQ}} + \frac{\overline{OR}}{\overline{CR}} = 1$$



$$\frac{\overline{OP}}{\overline{AP}} + \frac{\overline{OQ}}{\overline{BQ}} + \frac{\overline{OR}}{\overline{CR}}$$

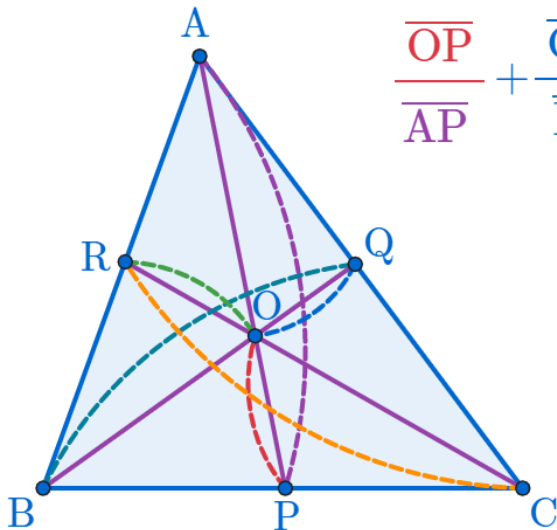


$$\frac{\overline{OP}}{\overline{AP}} + \frac{\overline{OQ}}{\overline{BQ}} + \frac{\overline{OR}}{\overline{CR}} = 1$$



$$\frac{\overline{OP}}{\overline{AP}} + \frac{\overline{OQ}}{\overline{BQ}} + \frac{\overline{OR}}{\overline{CR}} = 1$$

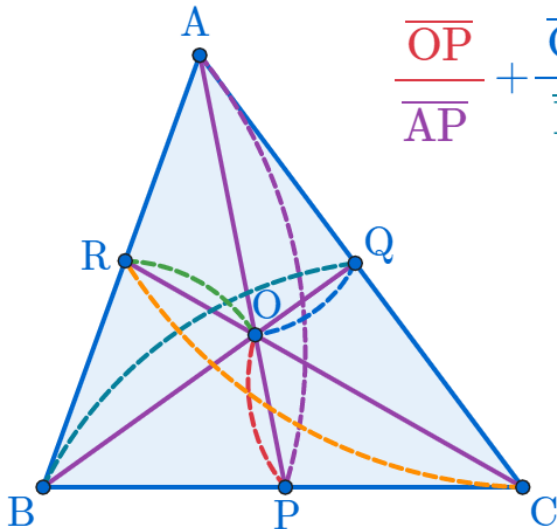
$$\frac{\overline{OP}}{\overline{AP}} = \frac{\Delta OBC}{\Delta ABC}$$



$$\frac{\overline{OP}}{\overline{AP}} + \frac{\overline{OQ}}{\overline{BQ}} + \frac{\overline{OR}}{\overline{CR}} = 1$$

$$\frac{\overline{OP}}{\overline{AP}} = \frac{\Delta OBC}{\Delta ABC}$$

$$\frac{\overline{OQ}}{\overline{BQ}} = \frac{\Delta OCA}{\Delta BCA}$$



$$\frac{\overline{OP}}{\overline{AP}} + \frac{\overline{OQ}}{\overline{BQ}} + \frac{\overline{OR}}{\overline{CR}} = 1$$

$$\frac{\overline{OP}}{\overline{AP}} = \frac{\Delta OBC}{\Delta ABC}$$

$$\frac{\overline{OQ}}{\overline{BQ}} = \frac{\Delta OCA}{\Delta BCA}$$

$$\frac{\overline{OR}}{\overline{CR}} = \frac{\Delta OAB}{\Delta CAB}$$

Github:

<https://min7014.github.io/math20200306001.html>

Click or paste URL into the URL search bar, and you can see a picture moving.