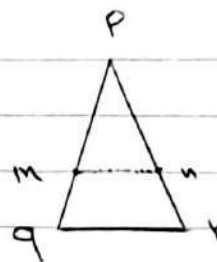


1.2.3

$$\text{let } m = \frac{p+q}{2}, n = \frac{p+r}{2}$$

$$\vec{mn} = n - m$$



$$\vec{mn} = \frac{p+r}{2} - \frac{p+q}{2}$$

$$\vec{mn} = \frac{p+r-p-q}{2}$$

$$\vec{mn} = \frac{r-q}{2}$$

So $\vec{mn} = \frac{1}{2} \vec{qr}$ Half is approved

$$\vec{qr} = r - q$$

$$\vec{mn} = \frac{1}{2} \vec{qr}$$

So they are Parallel