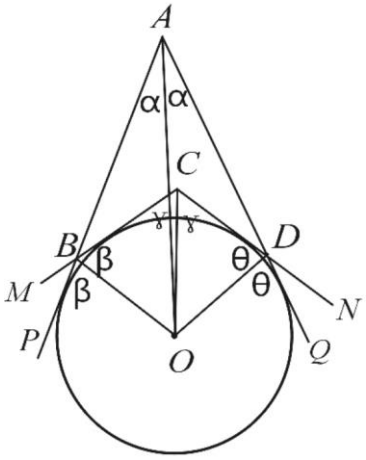

Example 33 : According to the above identity, different interpretations can be made for different graphics, so the following conclusions can be obtained.

As shown in the figure , the tangent lines AP and AQ *of* O *pass through point* A, and *the* tangent *lines* CM and CN of O pass *through* point C. AP and CM intersect at point B, and AQ *and* CN *intersect* at *point* D. *Then* the following identities hold:

$$\frac{AO^2}{DA\cdot AB}=\frac{CO^2}{BC\cdot CD},\ \frac{BO^2}{AB\cdot BC}=\frac{DO^2}{CD\cdot DA},$$

$$\frac{AO^2}{DA\cdot AB}-\frac{BO^2}{AB\cdot BC}=1,\ \frac{BO^2}{AB\cdot BC}-\frac{CO^2}{BC\cdot CD}=-1,$$

$$\frac{CO^2}{BC\cdot CD}-\frac{DO^2}{CD\cdot DA}=1,\ \frac{DO^2}{CD\cdot DA}-\frac{AO^2}{DA\cdot AB}=-1.$$