The 4 Means

How the 4 means of a and b are represented in the 2 bicentric quadrilaterals having a single symmetry axis.

A tangential polygon has an incircle. A cyclic polygon has a circumcircle. A bicentric polygon has both. We transform the square, preserving one kind of symmetry axis in each case.

the root mean square the arithmetic mean the geometric mean the harmonic mean $\sqrt{\frac{a^2+b^2}{2}} \qquad \qquad \frac{a+b}{2} \qquad \qquad \sqrt{ab} \qquad \qquad \frac{2ab}{a+b}$