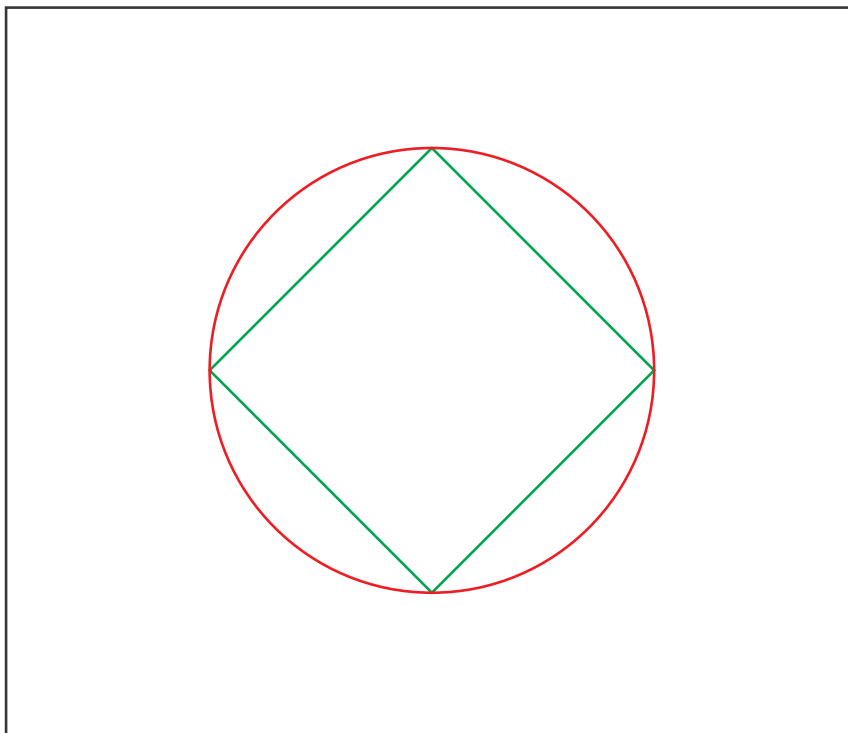


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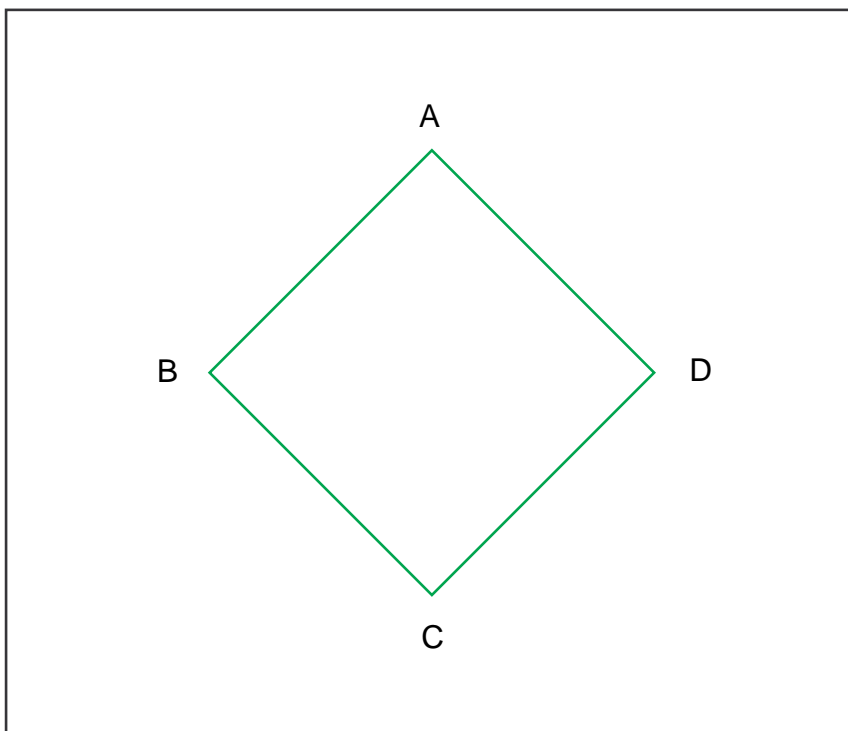
## Construction 31: Book IV, Proposition 9

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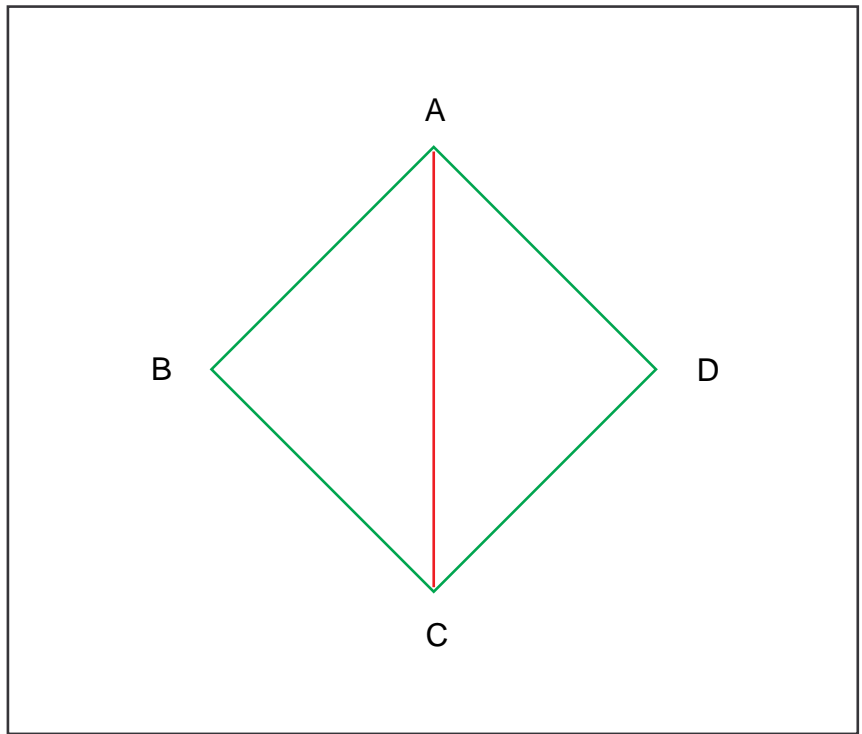
*About a given square to circumscribe a circle.*



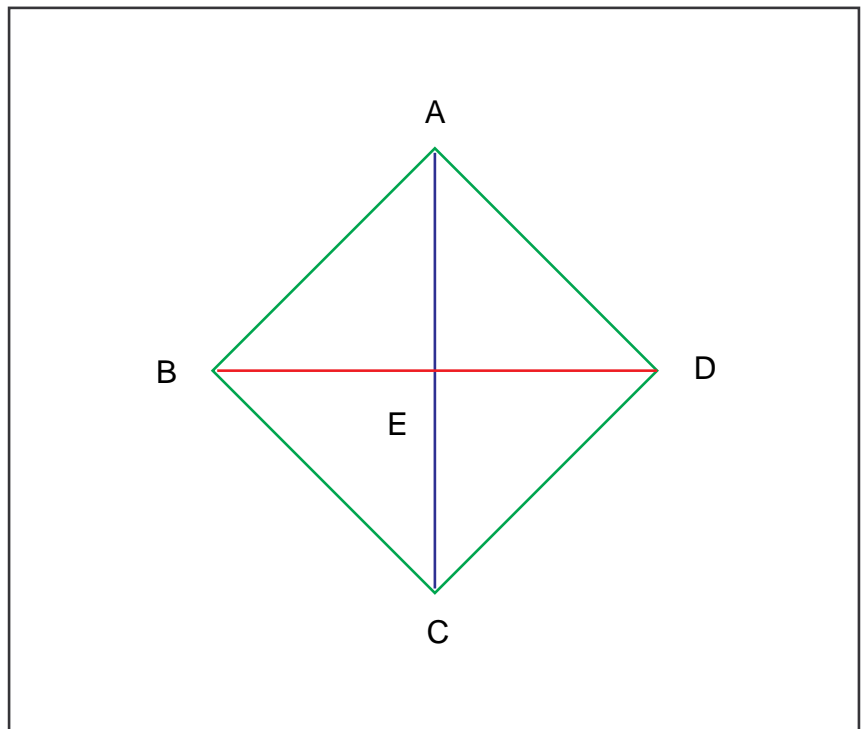
IV.9:2. Let ABCD be the given square.



IV.9:5. For let AC, BD be joined,



and let them cut one another at E.



IV.9:26. Therefore the circle described with centre E and distance one of the straight lines EA, EB, EC, ED will pass also through the remaining points; and it will have been circumscribed about the square ABCD.

Q.E.F.

