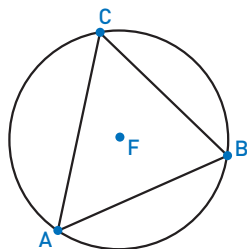


YOU & MATHS A robust triangle in a circle

- a. Use dynamic geometry software to construct a triangle.
- b. Then construct the circle in which it is inscribed (make sure the triangle remains inscribed however you drag it!).
- c. Describe how you made the construction.

a. and b. Your solution should look something like this.



- c. For the construction to remain stable during dragging, the centre of the circle must remain at the same distance from all vertices. This can be obtained by constructing it as the intersection of the perpendicular bisectors of the triangle's sides.