

YOU & MATHS **Hunting for good points – advanced** Draw two non-coincident points A and B . Then find at least 3 good positions in which to place a point C such that \widehat{ACB} is an angle of 60° . You may find it easier to work with dynamic geometry software than with paper and pencil.

Possible good positions are C , C_1 , and C_2 as shown in the figure below. If you try to find other possible sets of positions, you may come to the conjecture that all the points lie on a circumference. Is that actually what you find?

