Sum of angles in a triangle
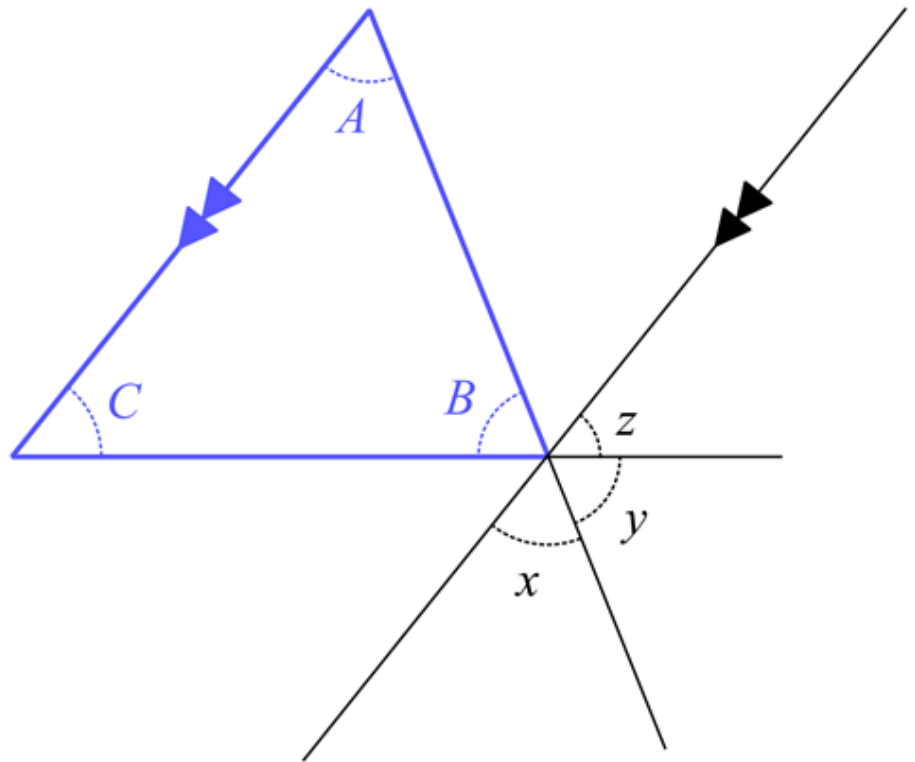
Consider the figure below, which has a blue triangle:

1)   Is Angle x equal to Angle A? Give reason.

2)   Is Angle y equal to Angle B? Give reason.

3)   Is Angle z equal to Angle C? Give reason.

4)   What is the sum of angles x, y and z? Give reason.

5)   Based on the above, find the sum of angles A, B and C. What can you conclude for the sum of the three interior angles of ANY triangle?