Angles in Irregular Polygons



(a) An irregular quadrilateral has interior angles of 90° , 100° and 105° . What is the size of the fourth angle?

(b) An irregular hexagon has angles of 100° , 110° , 115° , 130° , and 140° . What is the size of the sixth angle?

(c) An irregular octagon has six angles of 145° . If the remaining two angles are equal, what is the size of each?

Jay measured the exterior angles in this polygon. Explain how you know his measurements are wrong.



A decagon has 2 angles of the same size and a further 8 angles of twice the size. What are the sizes of the angles?

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