**Angles in Irregular Polygons**

Find the missing exterior angles.

**(a)** **(b)**



**(c)** **(d)**

**(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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