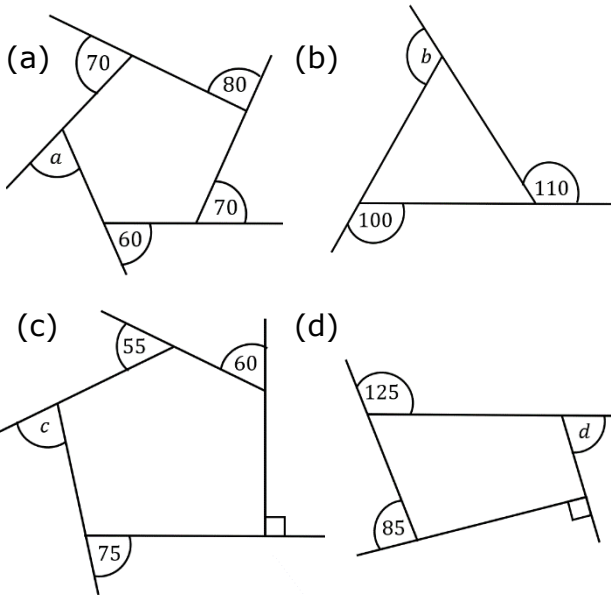


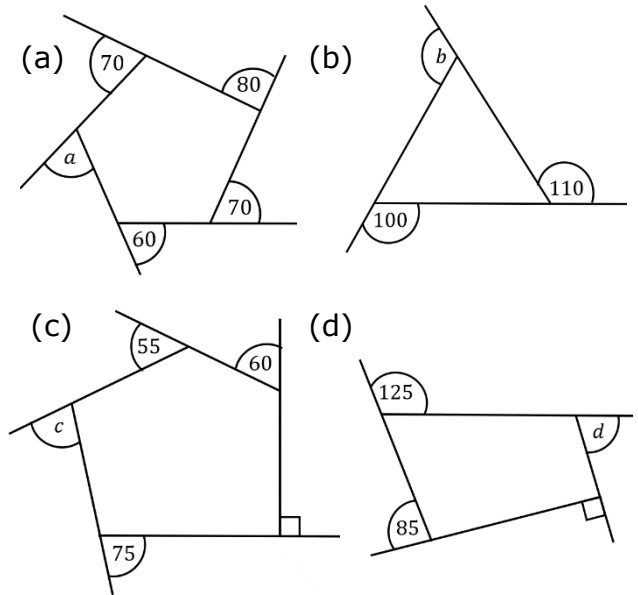
## Angles in Irregular Polygons

Find the missing exterior angles.



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**(e)** An irregular quadrilateral has interior angles of  $90^\circ$ ,  $100^\circ$  and  $105^\circ$ . What is the size of the fourth angle?

**(f)** An irregular hexagon has angles of  $100^\circ$ ,  $110^\circ$ ,  $115^\circ$ ,  $130^\circ$ , and  $140^\circ$ . What is the size of the sixth angle?

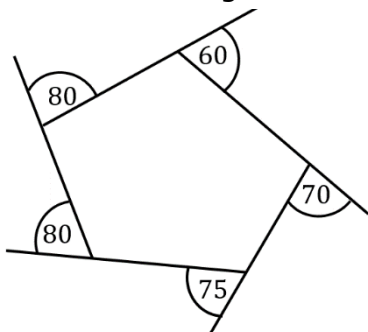
**(g)** An irregular octagon has six angles of  $145^\circ$ . If the remaining two angles are equal, what is the size of each?

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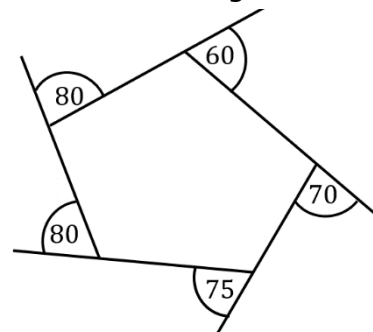
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**(h)** Jay measured the exterior angles in this polygon. Explain how you know his measurements are wrong.



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**(i)** 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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