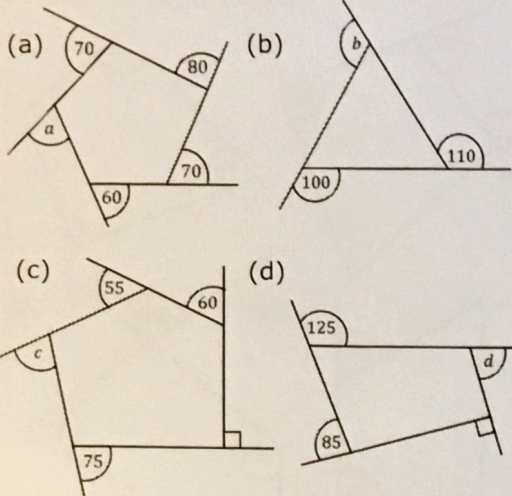


Angles in Irregular Polygons

Find the missing exterior angles.



(a) $a = 80^\circ$

(b) $b = 150^\circ$

(c) $c = 80^\circ$

(d) $d = 60^\circ$

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

(e) 65°

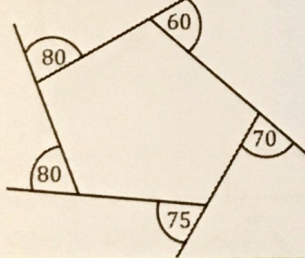
(f) An irregular hexagon has angles of 100° , 110° , 115° , 130° , and 140° . What is the size of the sixth angle?

(f) 125°

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

(g) 105°

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



(h) The angles add to 365° when they should add to 360°

(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?

(i) 80° and 160°