

Regular Polygons

<u>Shape</u>	<u>Sides</u>	<u>Sum of interior angles</u>	<u>Each angle</u>
Triangle	3	180°	60°
Quadrilateral	4	360°	90°
Pentagon	5	540°	108°
Hexagon	6	720°	120°
Heptagon (or Septagon)	7	900°	128.57°
Octagon	8	1080°	135°
Nonagon	9	1260°	140°
Decagon	10	1440°	144°

Questions

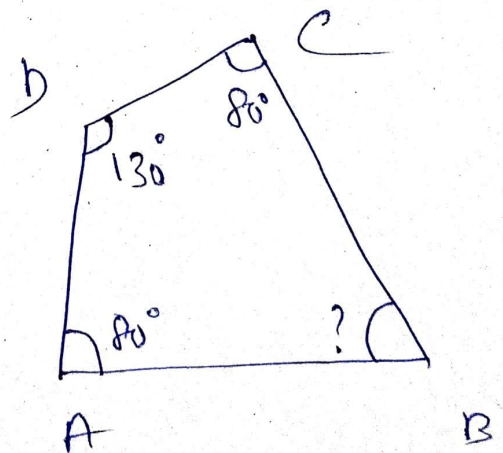
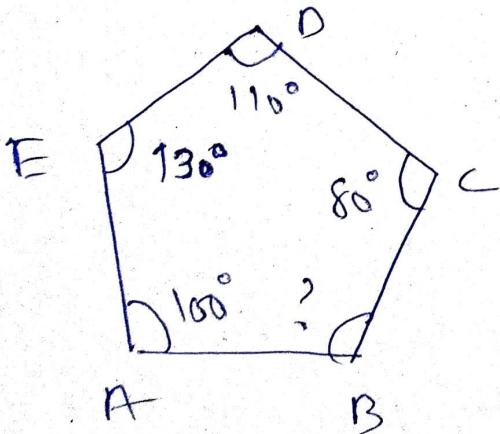
1) The radius of a circle whose diameter is 10 cm is —

2) The complementary angle of 68° is —

3) Two angles of a triangle are 50° and 80° . What type of triangle will it be?

4) In $\triangle XYZ$, $\angle X = 38^\circ$, $\angle Y = 52^\circ$, find $\angle Z$.

5) Find the unknown angle



6) If 135° is bisected what will be the value of each angle?