

Q1: (a) In a quadrilateral ABCD, $\angle A = 90^\circ$, $\angle B = 35^\circ$, $\angle C = 105^\circ$
Find $\angle D$.

(b) In a quadrilateral PQRS, $\angle P = \angle Q = \angle R = 112^\circ$,
Find $\angle S$.

(c) In a quadrilateral ABCD, $\angle A = \angle B = \angle C = \angle D$,
Find the measure of each angle.

Q2: Is it possible to construct a quadrilateral with the following sets of angles?

(a) 30° , 110° , 170° , 90°

(b) 75° , 45° , 180° , 90°

Q3: Fill in the blanks:

(a) A heptagon has _____ sides, _____ angles.

(b) A pentagon has _____ sides, _____ angles.

(c) A decagon has _____ sides, _____ angles.