

UNDERSTANDING
QUADRILATERALS

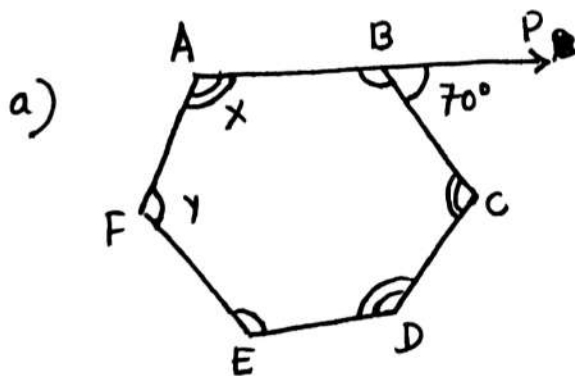
HOMEWORK #2

1) In a Regular Pentagon, what is the measure of each interior angle and exterior angle.

2) Is it possible to have a regular polygon with measure of each exterior angle as 20° ?

If yes, then find the number of sides of that polygon?

3) Find the values of x and y in each figure:

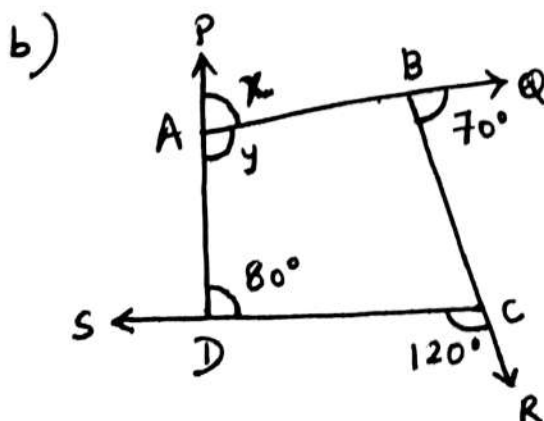


In this polygon,

$$\angle A = \angle C = \angle D$$

$$\angle F = \angle E = \angle ABC$$

$$\text{and } \angle PBC = 70^\circ$$



In this polygon,

$$\angle QBC = 70^\circ, \angle RCD = 120^\circ$$

$$\text{and } \angle ADC = 80^\circ$$