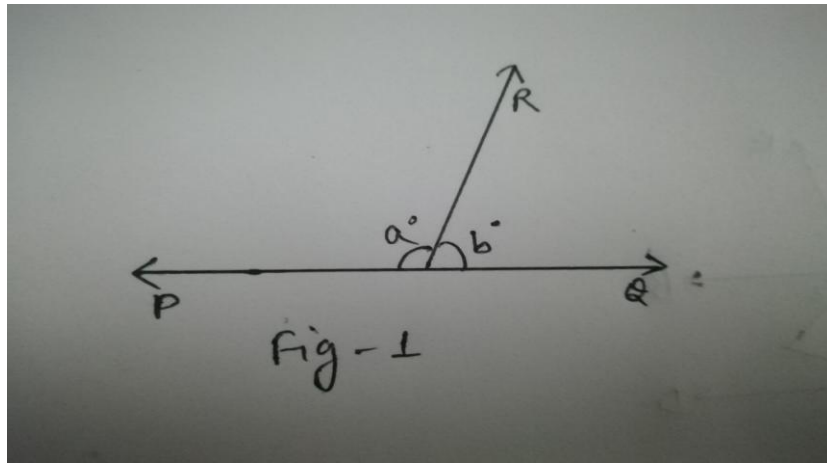
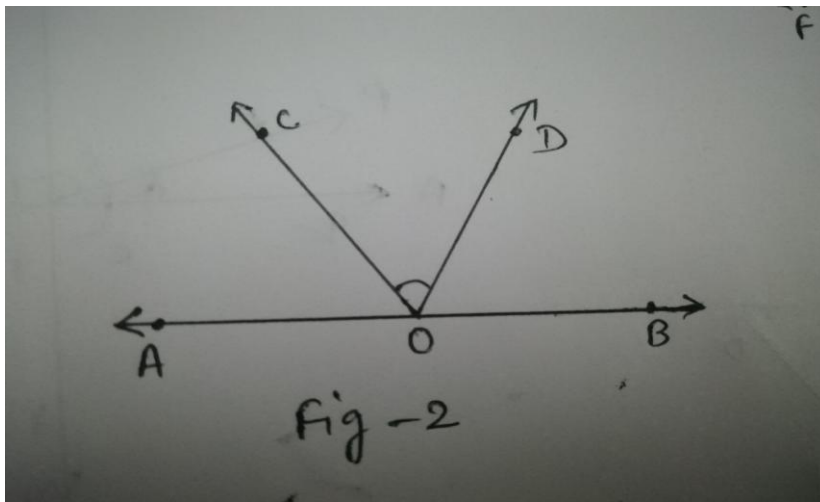


Class 9 - Maths
Lines and Angles – Quiz -5
(1 Mark Questions)

1. In the figure $\angle ABC$ and $\angle CBD$ form a linear pair $a-b=80^\circ$, find the value of a and b .

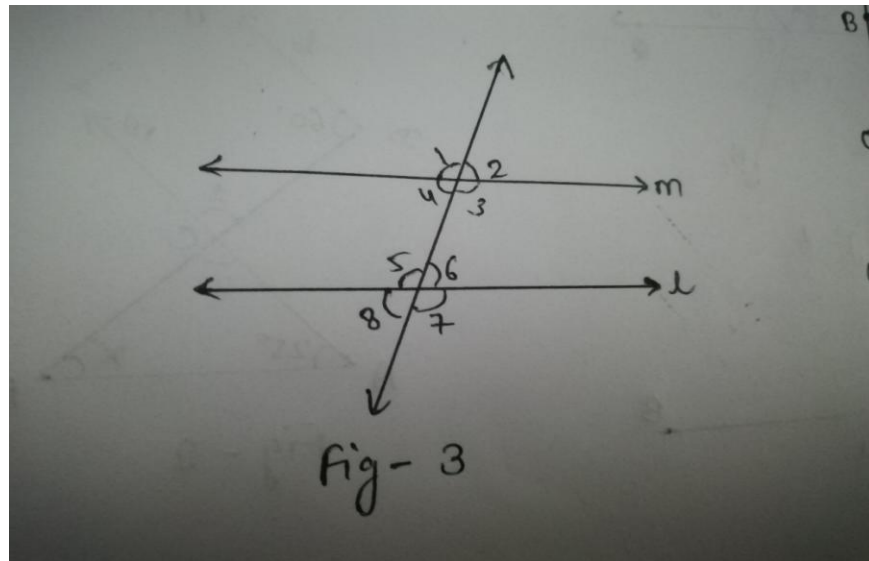


2. In the figure, if $\angle AOC + \angle BOD = 70^\circ$, Find $\angle COD$

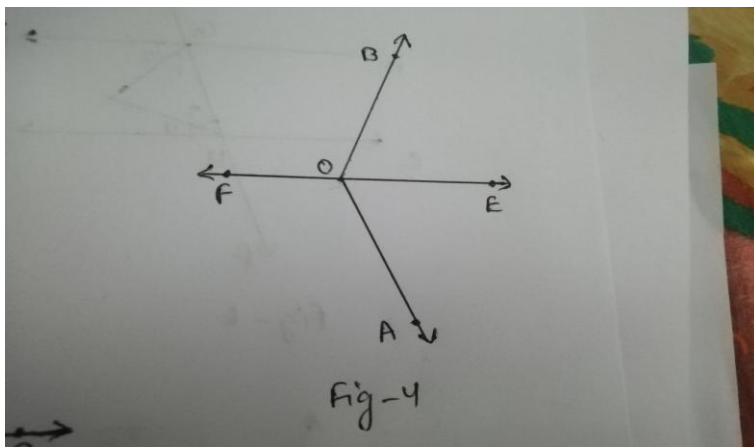


3

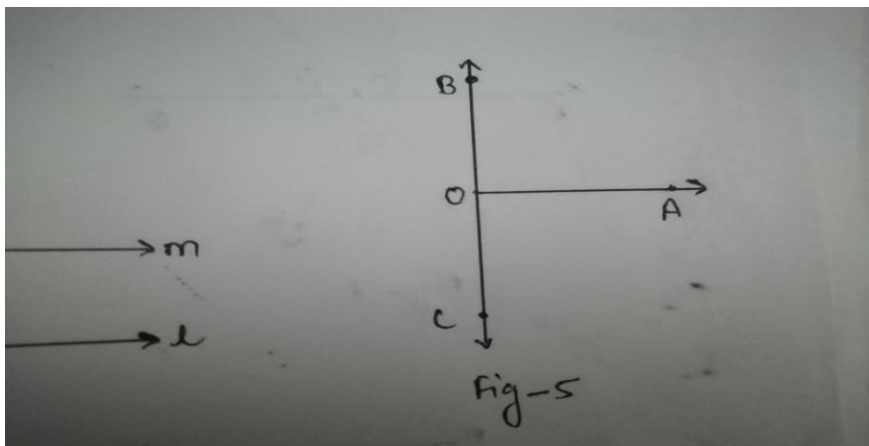
3. In figure $\angle 1 = 110^\circ$ and $\angle 8 = 60^\circ$. Is $l \parallel m$?



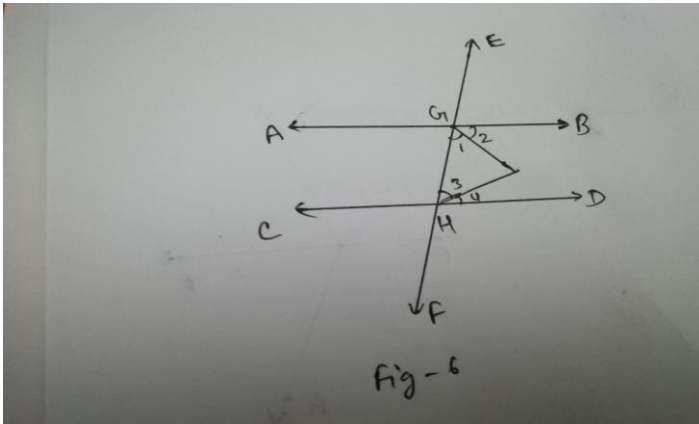
4. Ray OE bisects $\angle AOB$ and OF is the ray opposite OE. Show that $\angle FOB = \angle FOA$.



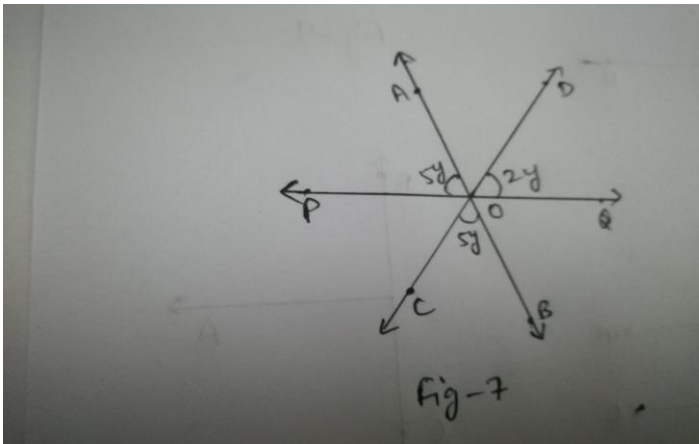
5. Given that each of the angle AOC and AOB is a right angle. Show that BOC is a line.



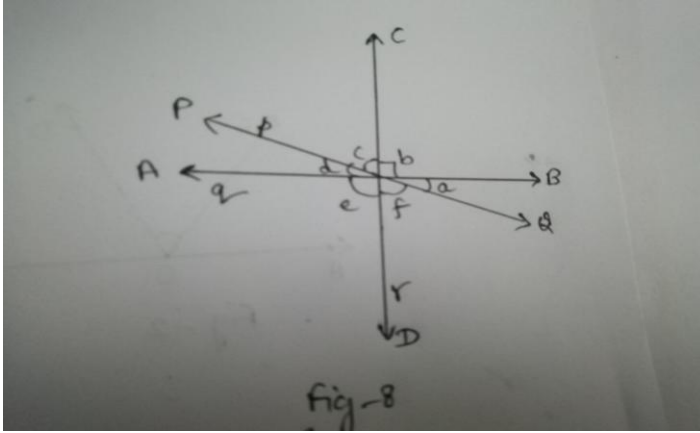
6. In the figure, AB and CD are parallel lines. The bisectors of the interior angles on the same side of the transversal EF intersect at P. Prove that $\angle GPH = 90^\circ$.



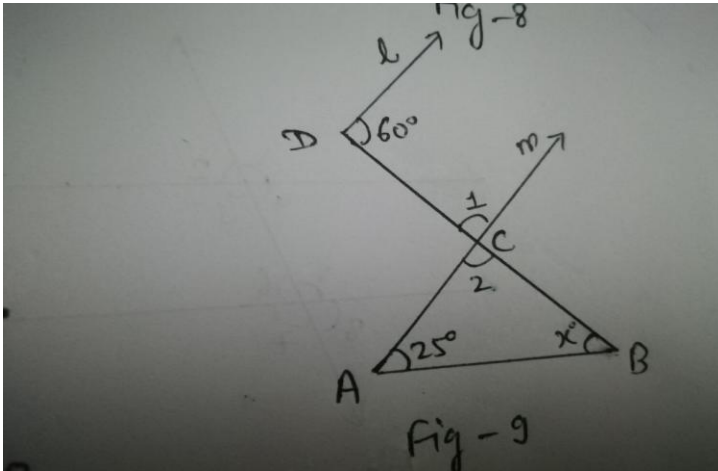
7. In figure, AB, CD and PQ are three lines concurrent at O. If $\angle AOP = 5y$, $\angle QOD = 2y$ and $\angle BOC = 5y$. Find the value of y .



8. In figure, three lines p, q, and r are concurrent at O. If $a = 50^\circ$, and $b = 90^\circ$. find c, d, e, f?



9. In figure, if $l \parallel m$, find the value of x .



10. Find the value of x , if $AB \parallel CD$

