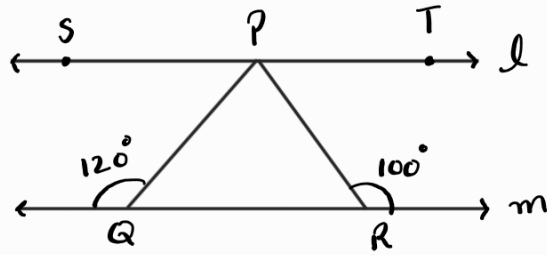


Test: Lines and Angles

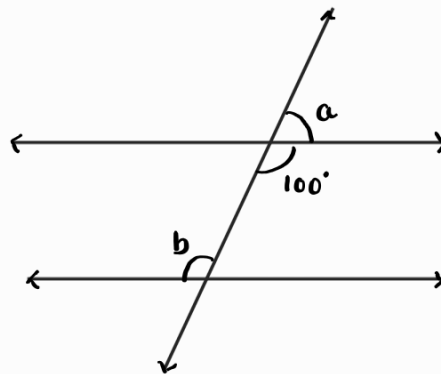
Time allowed : 60 minutes

Max Marks : 25

1. In the given figure, if $l \parallel m$, then find $\angle QPS + \angle RPT$. [2]

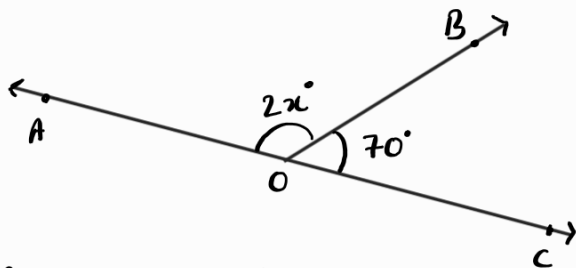


2. In the given figure, line p is parallel to line q. Find the value of $b - a$. [2]



3. If the complement of an angle be 39° , then find the supplement of the angle. [2]

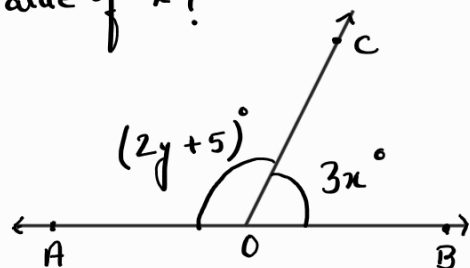
4. In the given figure, AOC is a line, find x . [2]



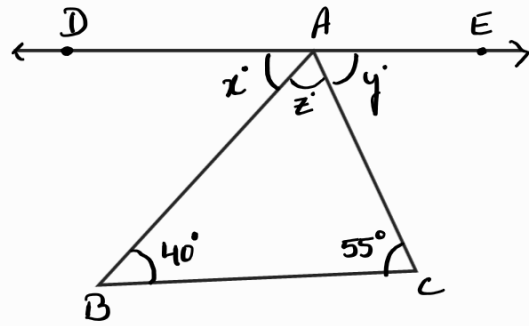
5. In the figure given below, OA and OB are opposite rays: [4]

(i) If $x = 25^\circ$, what is the value of y ?

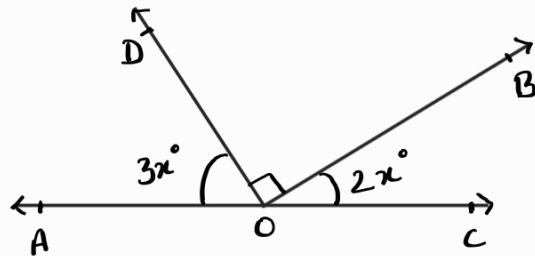
(ii) If $y = 35^\circ$, what is the value of x ?



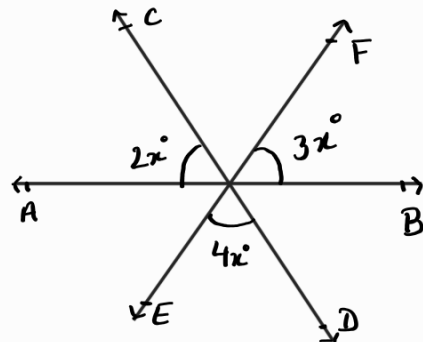
6. In the figure given below, $DE \parallel BC$. Find the values of x , y and z . [2]



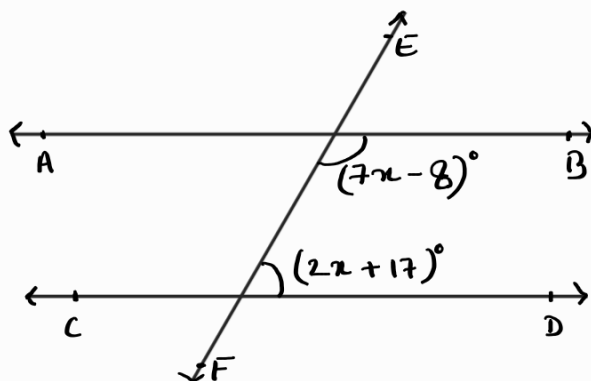
7. In the figure given below, if AOC is a straight line, then find the value of x . [2]



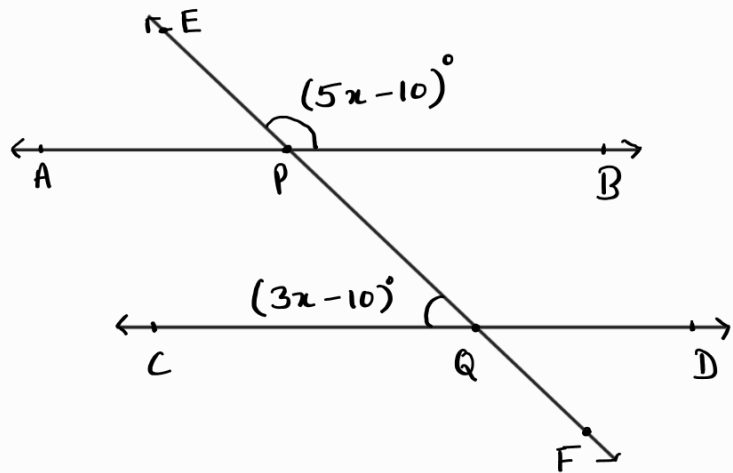
8. In the figure given below, AB, CD and EF are straight lines. Find the value of x . [2]



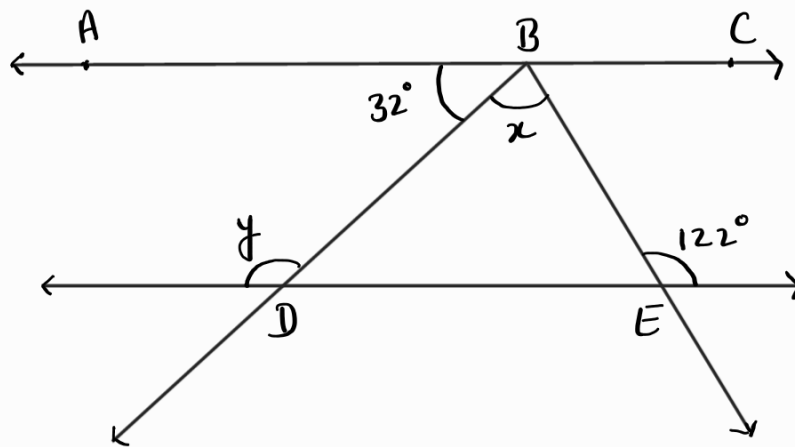
9. In the figure given below, AB is parallel to CD and EF is a transversal. Find the value of x . [2]



10. In the given figure, $AB \parallel CD$ and EF is a transversal intersecting AB and CD at P and Q respectively. Find the measure of $\angle DQP$. [2]



11. In the figure given below, line $AC \parallel$ line DE and $\angle ABD = 32^\circ$. Find out the angles x and y if $\angle E = 122^\circ$. [3]



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