

By. Er. Dharmendra Sir

7974073108, 9584873492

DPM CLASSES

6th to 10th (Math's & Science), 11th & 12th (Physics, Chemistry, Math's)

TEST - PAPER (CBSE/NCERT)

LINES AND ANGLES

SESSION -2024-25

CLASS - 9th

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DPM CLASSES

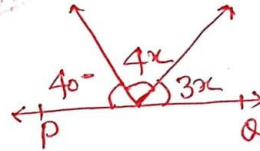
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Time : 1 hr ∴ Lines and Angles :-

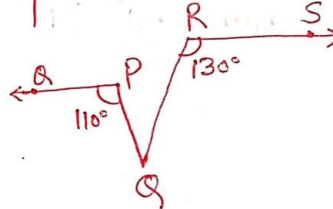
mm!

Q.1. If one of the angles of a triangle is 130° , then the angle between the bisectors of the other two angles.

Q.2. In the figure, POQ is a line, the value of x is :

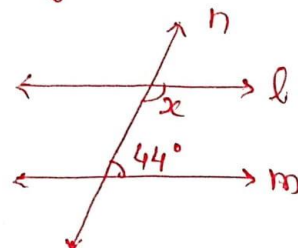


Q.3. In the figure, if $OP \parallel RS$, $\angle OPQ = 110^\circ$ and $\angle QRS = 130^\circ$, then $\angle PQR$ is equal to



Q.4. Angles of a triangle are in the ratio $2:4:3$. the smallest angle of the triangle.

Q.5. In the figure, find the value of x for which the lines l and m are parallel.

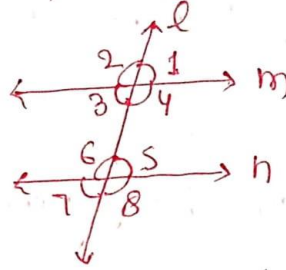


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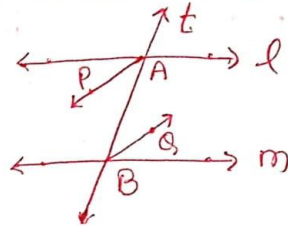
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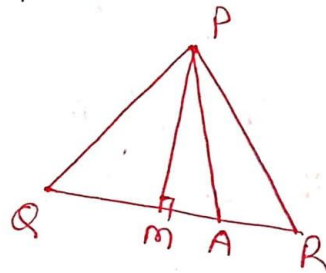
Q.6. In the figure $\angle 1 = 60^\circ$ and $\angle 6 = 120^\circ$. Show that the lines m and n are parallel.



Q.7. AP and BQ are the bisectors of the two alternate interior angles formed by the intersection of a transversal t with parallel lines l and m . Show that $AP \parallel BQ$.



Q.8. In the given figure, $\angle Q > \angle R$, PA is the bisector of $\angle QPR$ and $PM \perp QR$. Prove that $\angle APM = \frac{1}{2} (\angle Q - \angle R)$



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