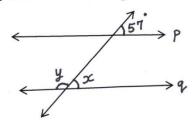
INTERNATIONAL INDIAN SCHOOL BURAIDAH

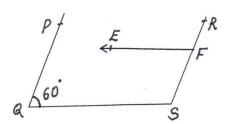
Worksheet For The Academic Year 2023-24

CLASS: IX SUBJECT: Mathematics DATE: 04/06/2023 LESSON-6 Lines & Angles

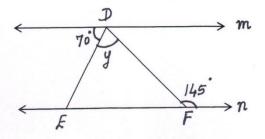
- 1) Prove that "If two lines intersect each other then the vertically opposite angles are equal".
- 2) The complement of 23° is .
- 3) The supplement of 78° is _____
- 4) If two supplementary angles are in the ratio 2:7 then find the angles.
- 5) If $(6x + 30)^{\circ}$ and $4x^{\circ}$ form a straight angle, find x.
- 6) If pyq then find x in the figure.



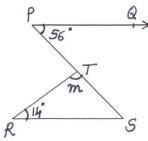
7) If PQ|| RS and EF|| QS and \perp PQS = 60°, find \perp RFE.



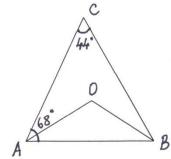
8) If m ll n, then find y.



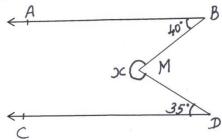
9) If PQ || RS then find m.



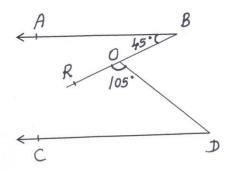
10) In the figure , AO and BO are bisectors of $\bot A$ and $\bot B$ respectively. Find $\bot AOB$.



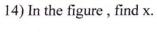
11) In the figure AB \parallel CD, find the value of x.

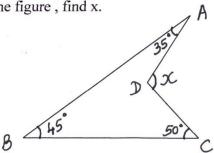


12) In the figure if AB/I CD ,if \triangle ABR = 45° and \triangle ROD = 105°, find \triangle ODC.

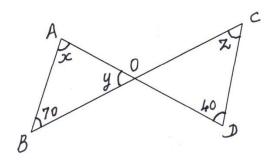


13) An exterior angle of a triangle is 120° and one of the interior opposite angles is 40°. Find the other angles of the triangle.





15) If AB \parallel CD, find x, y and z.



16) Find x, if $\triangle A = 40^{\circ}$ and $\triangle BED = 120^{\circ}$.

