**INDIAN SCHOOL MUSCAT – MIDDLE SECTION –DEPARTMENT OF MATHEMATICS – TERM :1 ( 2018– 19 )**

**NAME OF THE STUDENT :** **CLASS : 7 SEC :** **SUB: MATHEMATICS**

**DATE : 29.05.2018** **TOPIC: LINES AND ANGLES** **WORKSHEET NO:3**

| ANSWER THE FOLLOWING QUESTIONS | |
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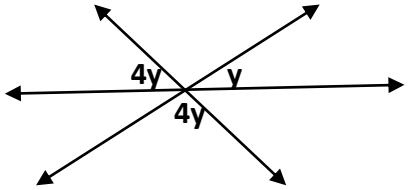
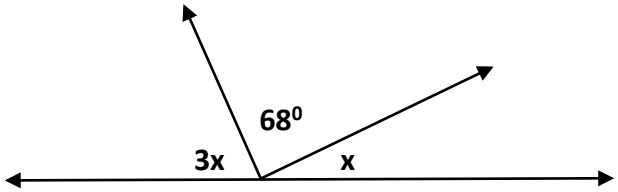
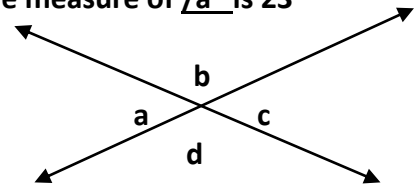
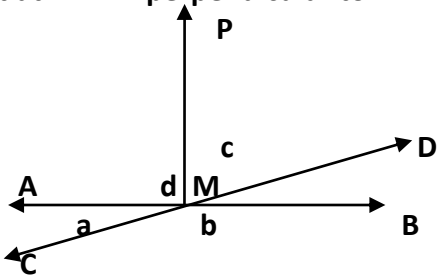
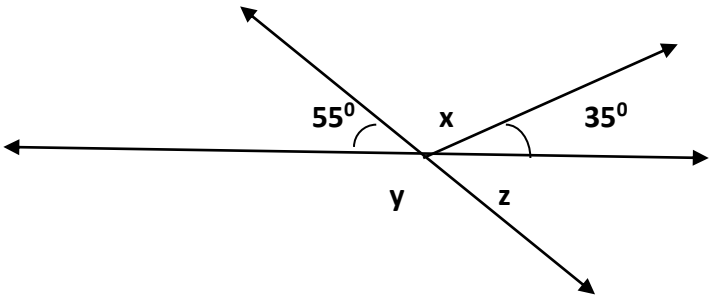
| **S.NO** | **QUESTIONS** |
| 1 | Write the complement of two – third of a right angle. |
| 2 | Write the supplement of a right angle. |
| 3 | The point C lies on a straight line AB and CD is a ray . If $\angle ACD = 47^0$ and $\angle DCB = x^0$, find the value of x. |
| 4 | Determine the value of y   |
| 5 | Find the value of x   |
| 6 | Find the values of $\angle b$ , $\angle c$ and $\angle d$ , if the measure of $\angle a$ is $23^0$   |
| 7 | The lines AB and CD intersect at M. PM perpendicular to AB. If $\angle DMB = 20^0$, find the angles a, b,c and d   |
| 8 | Find the values of the angles x, y and z   |

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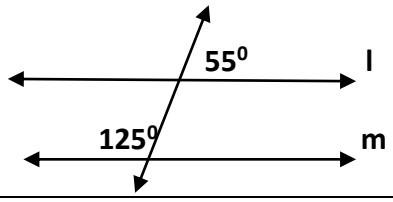
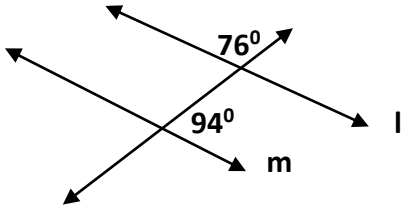
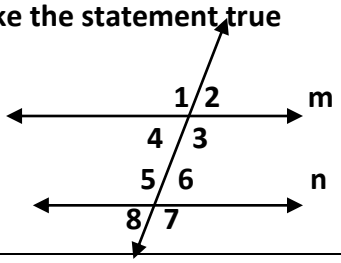
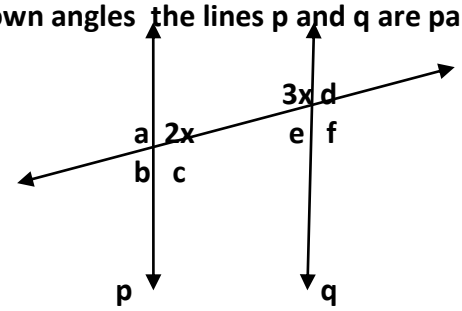
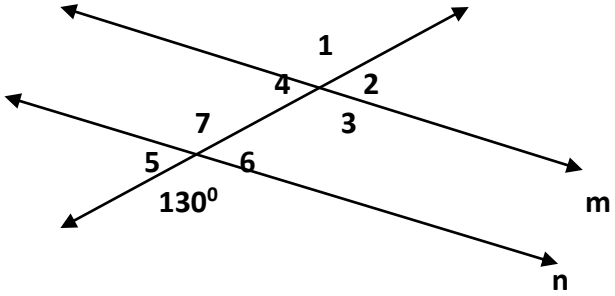
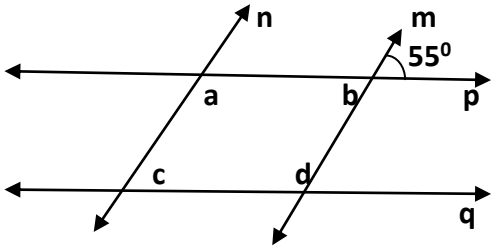
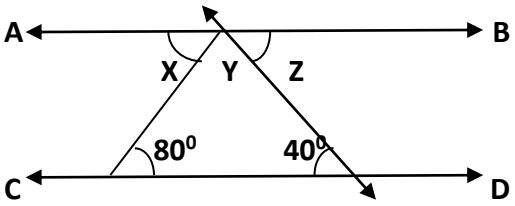
| 9 | **In the given figures , decide whether line l is parallel to m or not**<br>**a)**  **b)**  |
| 10 | **State the property used in each of the following to make the statement true**<br>**i)If m II n , then /3 = /7**<br>**ii) If /3 = /5 , then m II n**<br>**iii) If /4 + /5 = 180⁰ , then m II n**<br>  |
| 11 | **Find the value of the unknown angles the lines p and q are parallel and give reasons.**<br>  |
| 12 | **Find the unknown angles , the lines m and n are parallel.**<br>  |
| 13 | **In the figure the lines p parallel to q and m parallel to n .Find the values of unknown angles**<br>  |
| 14 | **In the figure the line AB parallel to line CD .Determine the values of x, y and z.**<br>  |