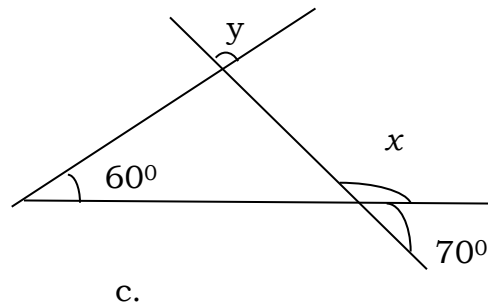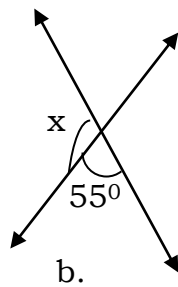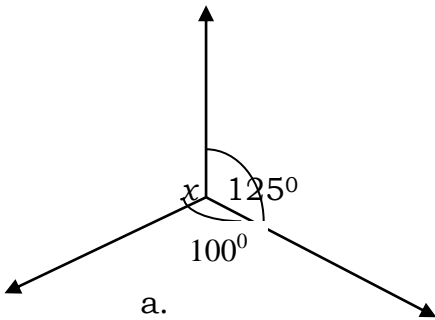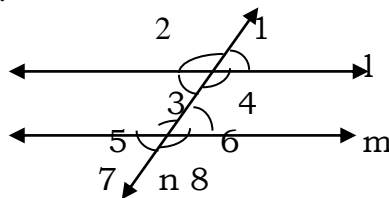**Bhavan's V. M. Public School, Baroda**
Ch-5 Lines & Angles

1. a.points that lie on the same line are called _____.
   b. A _____ extends indefinitely on both sides.
   c. A line segment has ____ end points
   d. Two angles are said to be adjacent if they have a_____ and _____
   e. Two angles are said to comprise a linear pair if they are adjacent and _____.
   f. If one pair of vertically opposite angles is acute then the other pair is_____
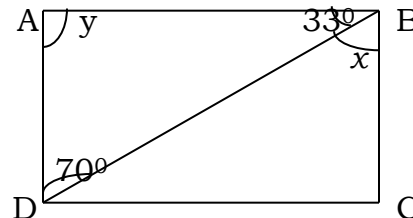
2. Find the value of x and y.

   a.   b.   c.

3. In the figure l II m and transversal n makes $\angle 1, \angle 2, \angle 3, ..., \angle 8$. $\angle 1$ and $\angle 2$ are in the ratio 2:7. Find all the angles from 1 to 8.
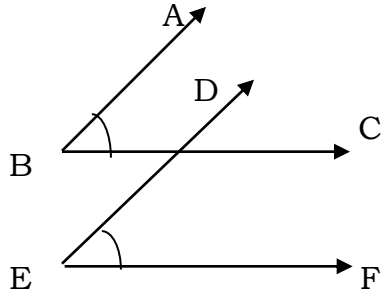

4. In the figure, AB ll CD and AD ll BC. Find the value of x and y.
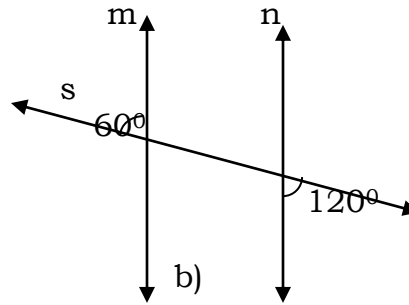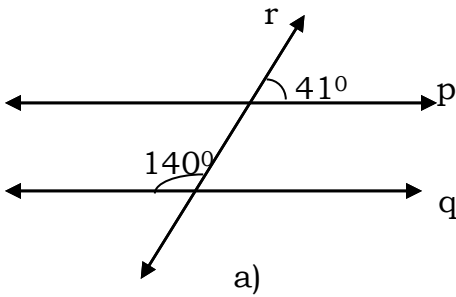   Justify your answer.

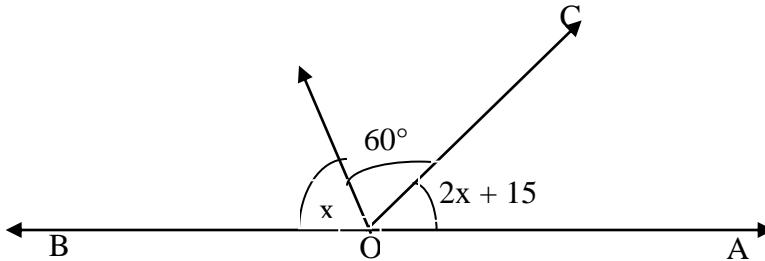7. An angle is $\frac{4}{5}$ of its complement. What is its magnitude?

5. In the figure, the corresponding arms of $\angle ABC$ and $\angle DEF$ are parallel. If $\angle ABC = 80°$, find $\angle DEF$.

6. How many degrees does the minute hand of a clock turn through in the following time period
   a. 15min   b. 1min   c. quarter to nine   d. Half past ten.

8. If $(m-15)°$ and $(m + 25)°$ are a pair of linear angles, find the magnitude of each of them.

9. Write the supplement and complement of the following angles:
   $65°$, $55°$, $45°$

10 Which of the lines in the following pairs are parallel? Give reasons for your answer.

a)

b)

11.In figure, find the value of x for which AOB becomes straight line.

----------End----------   Ms Rani Rauthan