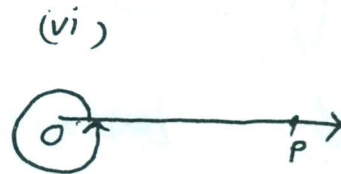
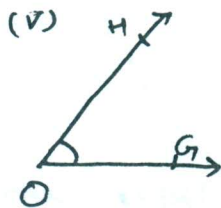
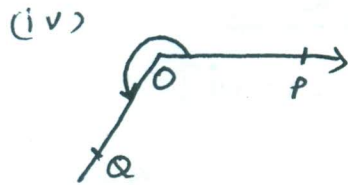
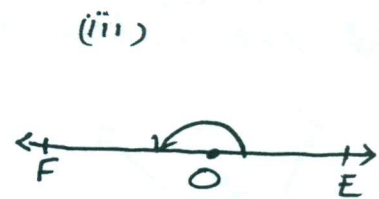
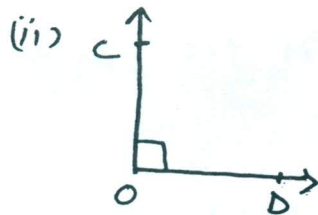
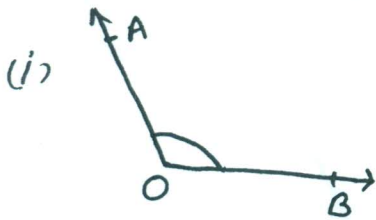


① State the type of each of the following angles



② Draw a circle of radius 4.5 cm and also draw  
 (i) sector (Major, Minor) (ii) segment (Major, Minor) (iii) chord  
 (iv) diameter, (v) Arc (Major, Minor)

③ Draw a rough sketch of a polygon ABCD and name  
 (a) vertices (b) Two pairs of opposite angles (c) four pairs  
 of adjacent angles (d) diagonals (e) four pairs of  
 adjacent sides (f) Two pairs of opposite sides.

④ Draw rough figures of Parallel lines, Intersecting  
 lines and perpendicular lines.

⑤ Name the types of triangles based on the following

- (a) triangle ABC with  $AB = 4\text{cm}$ ,  $BC = 5\text{cm}$ ,  $CA = 7\text{cm}$
- (b) Triangle DEF with  $\angle E = 90^\circ$  and  $DE = EF = 5\text{cm}$
- (c) Triangle PQR with  $\angle P = \angle Q = 60^\circ$
- (d) Triangle JKL with  $JK = 4\text{cm}$ ,  $KL = 4\text{cm}$ ,  $LJ = 5\text{cm}$

⑥ find the complementary and supplementary angles  
 of the following angles.

- (i)  $65^\circ$  [  $25^\circ$ ,  $115^\circ$  ] (ii)  $24^\circ$

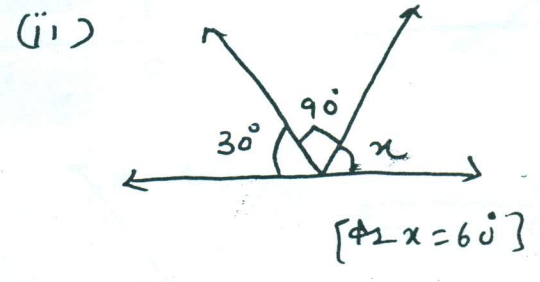
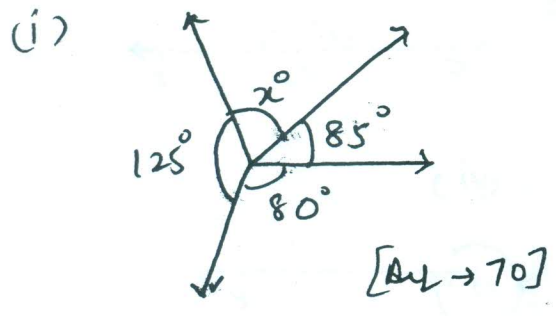
⑦ where will the hand of a clock stop if starts at 2  
 and makes  $\frac{1}{4}$  of a revolution. [  $45^\circ$  ]

8. What fraction of a clockwise revolution does the hour hand of a clock turn through when it goes from (i) 5 to 8,

(ii) 12 to 3 (iii) 3 to 9 (iv) 1 to 10

$n = \frac{1}{4}$

9. Find the value of  $x$  in the given figure



10. How many degrees are there in the angle between the hour hand and the minute hand of a clock, when it indicates 9 o'clock. [right angle]

11. What fraction of a day is 8 hours? [Ans  $\rightarrow \frac{2}{3}$ ]

12. Find the equivalent fraction of  $\frac{15}{35}$  with denominator 7 [Ans  $\rightarrow \frac{3}{7}$ ]

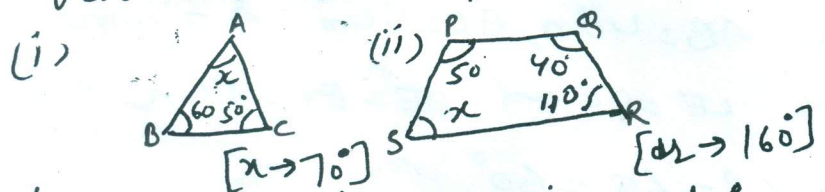
13. Check whether the given fractions are equivalent:

(a)  $\frac{5}{9}, \frac{30}{54}$  (b)  $\frac{7}{13}, \frac{5}{11}$

14. Reduce the following fractions to simplest form.

(a)  $\frac{12}{52}$  (b)  $\frac{7}{28}$  [Ans  $\rightarrow \frac{3}{13}, \frac{1}{4}$ ]

15. Find the value of  $x$






16. How many edges, vertices and faces are in a cube, cuboid? [12, 8, 6]

17. Represent the following numbers on number lines.

(a) +5 (b) -10 (c) 0 (d) +6 (e) -2

18. Write all the integers between the given pairs

(a) 0 and -7 (b) -4 and 4

19. Name each polygons (i)  (ii)  (iii) 

20. Using the given figure, name (a) a line (b) Three rays (c) a line segment (d) Two points

