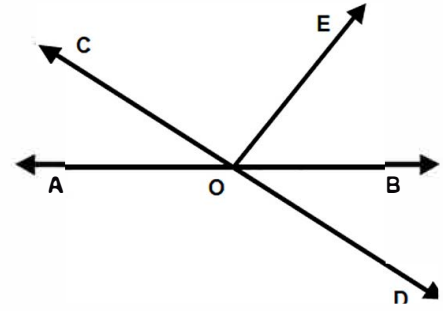


**Exercise B**

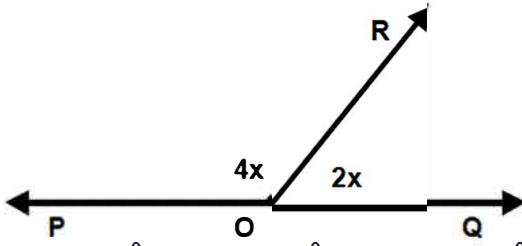
1. In fig. AB and CD intersect each other at O. If  $\angle AOC + \angle BOE = 70^\circ$  and  $\angle BOD = 40^\circ$  then the value of  $\angle BOE$  is

- (a)  $30^\circ$  (b)  $110^\circ$  (c)  $120^\circ$  (d)  $150^\circ$



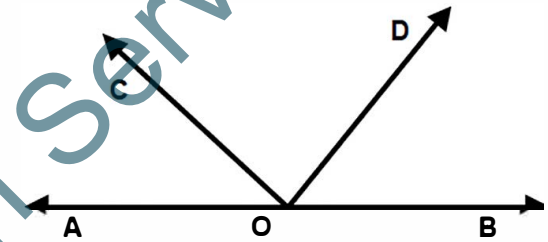
2. In fig. POQ is a line,  $\angle POR = 4x$  and  $\angle QOR = 2x$  then the value of x is

- (a)  $50^\circ$  (b)  $20^\circ$  (c)  $30^\circ$  (d)  $90^\circ$



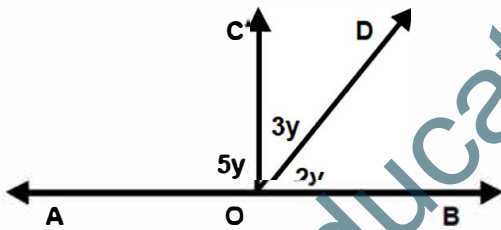
3. In the given fig.  $\angle AOC + \angle BOD = 75^\circ$ , then the value of  $\angle COD$  is

- (a)  $130^\circ$  (b)  $105$  (c)  $120^\circ$  (d)  $75^\circ$



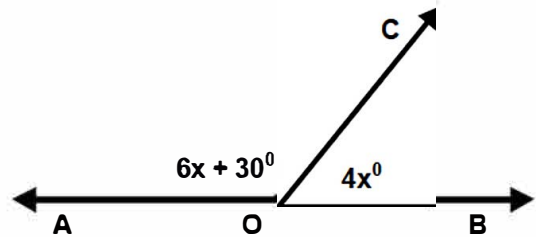
4. In the fig. the value of y is:

- (a)  $60^\circ$  (b)  $18^\circ$  (c)  $30^\circ$  (d)  $90^\circ$



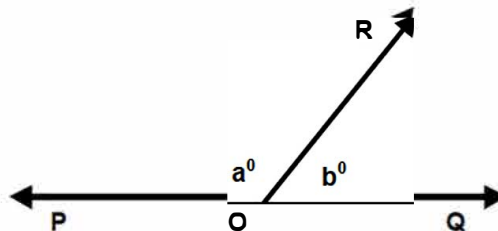
5. In fig., the value of x is.

- (a)  $60^\circ$  (b)  $15^\circ$  (c)  $30^\circ$  (d)  $45^\circ$



6. In fig.  $\angle POR$  and  $\angle QOR$  form a linear pair if  $a - b = 80^\circ$  then values of a and b respectively are:

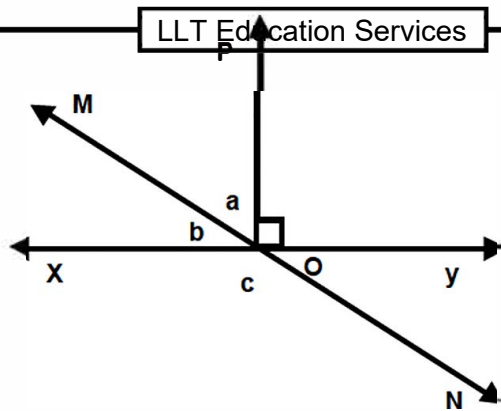
- (a)  $130^\circ$  and  $50^\circ$  (b)  $50^\circ$  and  $130^\circ$  (c)  $60^\circ$  and  $120^\circ$  (d)  $40^\circ$  and  $140^\circ$



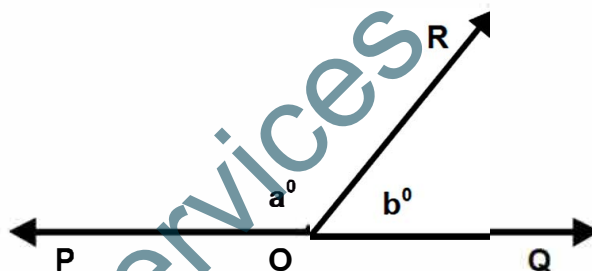
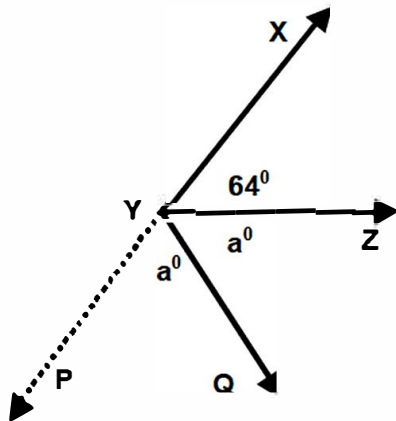
7. For two parallel lines sum of interior angles on the same side of a transversal line is

- (a)  $100^\circ$  (b)  $180^\circ$  (c)  $90^\circ$  (d)  $360^\circ$

8. In fig., lines XY and MN intersect each other at point O. If  $\angle POY = 90^\circ$  and  $a : b = 2 : 3$  then the value of  $\angle C$  is  
 (a)  $140^\circ$  (b)  $120^\circ$  (c)  $80^\circ$  (d)  $95^\circ$

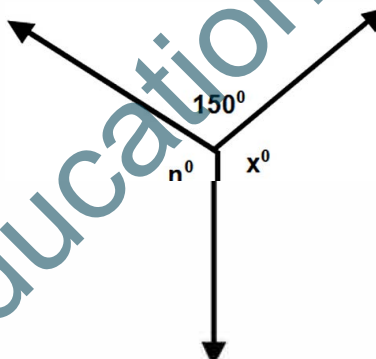


9. In fig.  $\angle XYZ = 64^\circ$  and XY is produced to point P. If ray YQ bisect  $\angle ZYP$  then the value of  $\angle XYQ$  is  
 (a)  $122^\circ$  (b)  $126^\circ$  (c)  $302^\circ$  (d)  $258^\circ$



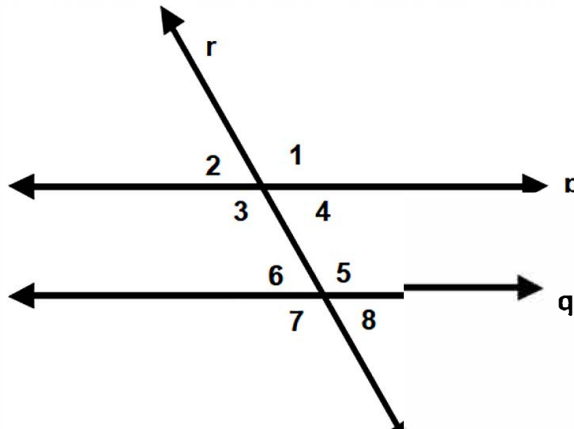
10. In fig., b is more than one-third of a right angle than a. The values of a and b are:  
 (a)  $95^\circ$  and  $85^\circ$  (b)  $105^\circ$  and  $75^\circ$  (c)  $60^\circ$  and  $120^\circ$  (d)  $65^\circ$  and  $115^\circ$

11. In fig.,  $n - x = 3^\circ$  then values of x and n are:



- (a)  $126^\circ$  and  $129^\circ$  (b)  $125^\circ$  and  $28^\circ$  (c)  $150^\circ$  and  $95^\circ$  (d)  $135^\circ$  and  $65^\circ$

12. In fig.,  $q \parallel r$  and p is transversal. If  $\angle 1$  and  $\angle 2, 3 : 2$  then the values of  $\angle 3$  and  $\angle 4$  are:



- (a)  $108^\circ$  and  $72^\circ$  (b)  $72^\circ$  and  $108^\circ$  (c)  $75^\circ$  and  $105^\circ$  (d)  $85^\circ$  and  $95^\circ$