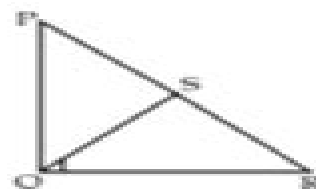


**Question numbers 1 to 10 carry 1 mark each.**

1. The graph of the equation  $x + a = 0$  is a line parallel to  $y$ -axis and to the left of the  $y$ -axis if :  
(A)  $a < 0$  (B)  $a = 0$   
(C)  $a > 0$  (D) For any real value of  $a$
2. Class mark of a particular class is 10.5 and class size is 7, then class interval is :  
(A) 10.5 – 17.5 (B) 3.5 – 10.5 (C) 7 – 17.5 (D) 7 – 14
3. Two parallelograms are on the same base and between the same parallels. The ratio of their areas is :  
(A) 1 : 1 (B) 1 : 2 (C) 2 : 1 (D) 1 : 4
4. The value of  $k$  for which  $x = 1, y = -1$  is a solution of  $kx - 2y = 0$  is :  
(A) 12 (B) -2 (C) 5 (D) -8
5. A bag contains  $x$  white,  $y$  red and  $z$  blue. A ball is drawn at the random, then the probability of drawing a blue ball is :  
(A)  $\frac{z}{x+y+z}$  (B)  $\frac{y}{x+y+z}$  (C)  $\frac{x}{x+y+z}$  (D) 0
6. In a  $\Delta PQR$ , right angled at  $Q$ ,  $PQ = 24$  cm and  $QR = 7$  cm.  $S$  is the mid point of  $PR$ . then  $RS$  is :



- (A) 3.5 cm (B) 12 cm (C) 25 cm (D) 12.5 cm
7. The region between an arc and two radii joining the centre to the end points of the arc is called :  
(A) an arc (B) a sector (C) a segment (D) a diameter
8. Diameter of the earth is four times (approximately) the diameter of the moon then the ratio of their surface area is :  
(A) 4 : 1 (B) 8 : 1 (C) 16 : 1 (D) 64 : 1

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**S Ashworth**



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