

DAILY PRACTICE PROBLEMS

DPP No. 1

(4 marks, 5 min.)

Min.

30]

M.M.,

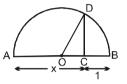
[24,

Topic : Fundamentals of Mathematics

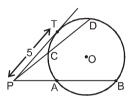
Type of Questions

Subjective Questions (no negative marking) Q.1 to Q.6

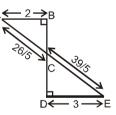
1. Find the value of CD in terms of x, in the adjoining figure, where O is the centre of semicircle.



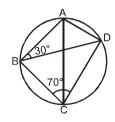
2. In the given figure (circle), PT = 5, PD = 7 and PA = 2, then the value of PB – PC = ?



3. In the adjoining figure find the value of BD.



4. Let ABCD is a cyclic quadrilateral. Then, find the \angle ADB.



- 5. Plot the straight lines on the co-ordinate axes. (i) y = x (ii) y = -x (iii) y = x + 1
- 6. Convert into 'perfect square + some constant'. (i) $x^2 + x$ (ii) $x^2 + 3x$

Answers Key

1.
$$\sqrt{x}$$
 2. $\frac{125}{14}$ **3.** 12 **4.** 40°