

IX Mathematics - MCQ -1

1. Which of the following is an example for the irrational number

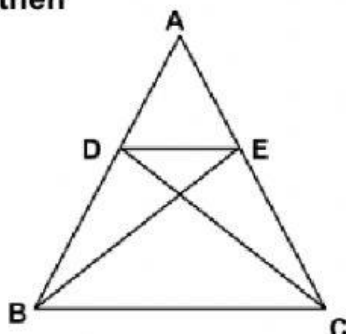
- a) $\frac{22}{7}$ b) $\frac{1}{3}$ c) π d) $\sqrt{81}$ []

2. $\sqrt[3]{343} + \sqrt[4]{81} + \sqrt[5]{32} = ?$

- a) 12 b) 456 c) 15 d) 10 []

3. D, E are the points on the sides AB and AC respectively of $\triangle ABC$ and $\text{ar}(\triangle DBC) = \text{ar}(\triangle EBC)$ then

- a) $DE = BC$
b) $DE = \frac{1}{2} BC$
c) $DE = \frac{1}{4} BC$
d) $DE \parallel BC$



[]

4. The sum of the four angles of a quadrilateral is

- a) A right angle b) Two right angles
c) Three right angles d) Four right angles

[]

5. Each angle of an equilateral triangle is

- a) 90^0 b) 60^0 c) 120^0 d) 180^0 []

6. Which of the following is the solution of the equation $5x - 7y - 1 = 0$

- a) (3,2) b) (2,3) c) (3,-2) d) (-3,2) []

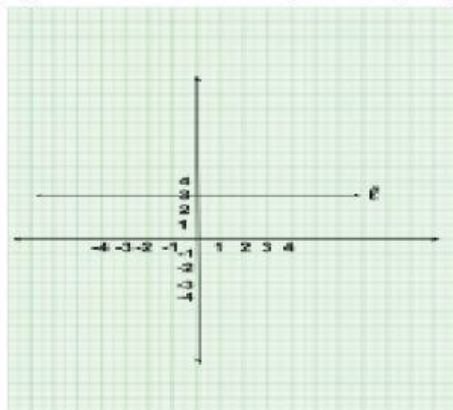
7. $P(x) = ax + b$ then $P\left(\frac{-b}{a}\right)$ is

- a) $2b$ b) 0 c) $\frac{-a}{b}$ d) $\frac{-b}{a}$ []

8. Value of $(\sqrt{11} - \sqrt{7})(\sqrt{11} + \sqrt{7})$ is

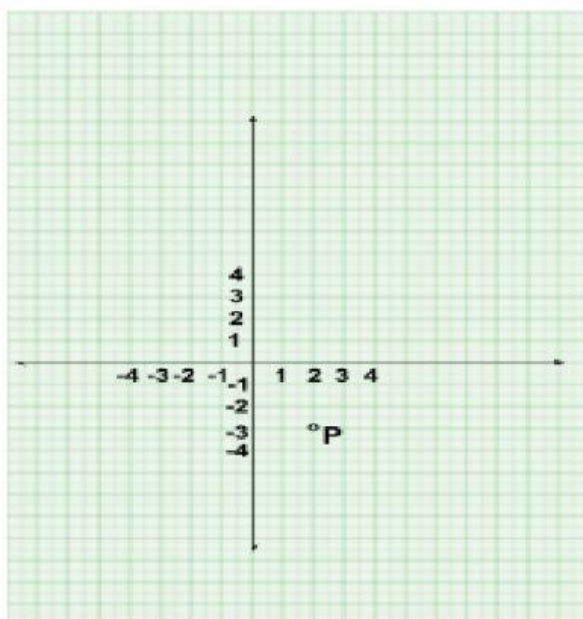
- a) 4 b) 72 c) 2 d) $2\sqrt{11}$ []

9. Equation of the straight (ℓ) shown in the adjacent graph



- a) $X = 3$
 b) $y = 3$
 c) $X = 0$
 d) $y = 0$ []

10. The coordinates of P in adjacent graph



- a) (2,-3) b) (-3,2) c) (-2,-3) d) (2,5) []