1 Lecture - MTH101

Important Mcqs

- 1. Which of the following is the origin in the Cartesian coordinate system? a) (0,1) b) (1,0) c) (0,0) d) (1,1) Answer: c) (0,0)
- 2. What is the slope of a horizontal line? a) 0 b) 1 c) Undefined d) Infinity Answer: a) 0
- 3. Which of the following equations is in slope-intercept form? a) 2x + 3y = 6 b) y = 4x 2 c) 5x 2y = 8 d) x 3y = 9 Answer: b) y = 4x 2
- 4. What is the equation of the line with a slope of 2 and a y-intercept of -3? a) y = 2x + 3 b) y = 2x 3 c) x = 2y + 3 d) x = 2y 3 Answer: b) y = 2x 3
- 5. Which of the following is not a quadrant in the Cartesian coordinate system? a) First quadrant b) Second quadrant c) Third quadrant d) Fifth quadrant Answer: d) Fifth quadrant
- 6. What is the equation of the line passing through points (2,3) and (4,5)? a) y = 2x + 1 b) y = 2x 1 c) y = x + 1 d) y = x 1 Answer: b) y = 2x 1
- 7. Which of the following is the equation of a vertical line? a) y = 2x + 3 b) y = -4 c) x 3y = 6 d) y = x 2 Answer: b) y = -4
- 8. What is the slope of a vertical line? a) Undefined b) 0 c) 1 d) Infinity Answer: a) Undefined
- 9. What is the x-coordinate of a point on the y-axis? a) 0 b) 1 c) -1 d) Undefined Answer: a) 0
- 10. What is the y-coordinate of the point (5,8)? a) 5 b) 8 c) -5 d) -8 Answer: b) 8