

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**