Chapter 03. THE GENERAL EQUATIONS OF STRAIGHT LINES

- 1) The equation of the line passing through the points (-1, 1), (-1, -1) and (-1, 0) is
 - A) y = -x + 1
 - B) y = -1
 - C) x = -1
 - D) x + y = -1C
- Answer:
- 2) Equation of the line l given in the figure is



- A) y = 2x + 1B) y = 2x - 1
- b) y = 2x 1C) y = x + 2
- D) y = x 2r: C

Answer:

- 3) The equation of the line passing through the points (1, 0) and (0, 1) is
 - A) x y = 1B) x + y = 1
 - C) x + y = -1
 - D) x y = -1

В

Answer:

- 4) The point of insertion of the lines 3x + 4y = 0 and 5x 6y = 0
 - A) (3, 4)
 - B) (5, 6)
 - C) (3, 5)
 - D) (0,0) D

Answer:

5)

- The three lines define by the equation x + 2y = 0, 2x + y = 0 and 3x + 5y = 0 are
 - A) Parallel
 - B) Perpendicular
 - C) Concurrent
 - D) Not parallel

Answer:

6) The length and breadth of a plane is

- A) finite
- B) infinite
- C) x, y

D) x + yAnswer: B

- 7) The distance of the point (7, 0) from the line y 2 = 0 is
 - A) 7
 - B) 2 C) 5
 - D) 0

Answer: B

- 8) The distance of the point (2, 3) from the line x + y = 5 is
 - A) 2
 B) 0
 C) 3
 D) 5

В

Answer:

- 9) The distance between the two lines, defined by y 2 = 0 and y + 2 = 0
 - A) 0
 - B) 2
 - C) 4
 - D) 1/4

Answer:

- 10) The equation $3x^2 4xy + 5y^2 = 0$ is called
 - A) Quadratic
 - B) Linear
 - C) Explicit
 - D) Homogeneous : D

А

С

Answer:

- 11) The angle between the pair of lines represented by , $3x^2 4xy 3y^2 = 0$ is
 - A) π/2
 - B) π/3
 - C) π/4
 - D) π/6

Answer:

- 12) If the two lines represented by the equation $ax^{2} + 2hxy + by^{2} = 0$ are perpendicular then,
 - A) a = bB) h = abC) a + b = 0D) h = a + b

Answer:

- 13) The pair of lines represented by $y^2 36 = 0$ are
 - A) Parallel
 - B) Perpendicular

С

C) Non parallel

Prepared by: Faizan Ahmed

D) Coincident Answer: A

14)