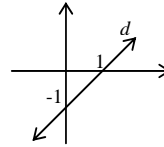


1. Given that A (m,-n) is in the 2nd quadrant. Which of the followings is in the 3th quadrant?
- A) B(n,m) B) B(-m,n) C) B(-n,m)
D) B(-n,m) E) B(n,-m)
2. Let A,B,C and D be four points on the same line. If B is the midpoint of [AC] and C is the midpoint of [BD] then the midpoint of [AD] is ...
- A) the point B
B) a point between B and C
C) the point C
D) a point between C and D
E) a point between A and B
3. Let M(2,-3) be the midpoint of [AB] where A(5,0), then B is ...
- A) B(3,5) B) B(-5,-6)
C) B(-6,-1) D) B(-1,-6) E) B(5,3)
4. Which one of the following points is nearest to the origin O(0,0)?
- A) P(5,5) B) P(-5,5) C) P(5,-5)
D) P(-5,-5) E) P(4,0)
5. Let A (3,2) is given. Which of the followings is the closest point to A?
- A) B(-5,4) B) B(1,2) C) B(6,-3)
D) B(6,-2) E) B(-5,-2)
6. Let A(2,-3) and |AB| = 10 then which of the following points can not be the coordinates for B?
- A) (8,5) B) (10,3) C) (6,-3)
D) (-4,-11) E) (-6,-9)
7. If the point A(2,3) is on the line $y = 2x + n$, then n equals
- A) 3 B) 2 C) 1 D) -1 E) -2
8. Which one of the followings is not a point on the line $y = x - 1$?
- A) P(4,5) B) P(-5,-6) C) P(7,6)
D) P(0,-1) E) P(3,2)
9. If the point A(m,5) is on the line $3x - 5y = 2$, then m is ...
- A) 6 B) 7 C) 8 D) 9 E) 10
10. Which one of the following lines does not pass through the origin?
- A) $x - 3y = 0$ B) $y = 5x$
C) $\frac{x+y}{4} = 0$ D) $2x - 3y = 0$
E) $x + 3 = y$

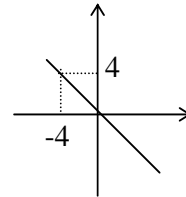
11.



Which one of the followings is the equation of the line given in the figure?

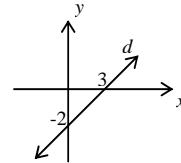
- A) $y = x + 1$ B) $y = x - 1$
C) $y = -x - 1$ D) $y = -x + 1$
E) $y = -x - 2$

12. What is the equation of the line given in the figure?



- A) $y = x$ B) $y = -x$
C) $x + y = 1$ D) $x - y = 0$
E) $x - y = 1$

13.



Which one of the followings is the equation of the line d?

- A) $2y = 3x + 1$ B) $2y = x - 1$
C) $y = 2x - 3$ D) $3y = 2x - 6$
E) $y = 2x - 6$

14. The line $y = 2x - 3$ cuts the x-axis at

- A) 2 B) $-\frac{3}{2}$ C) -2 D) $\frac{3}{2}$ E) $-\frac{1}{2}$

15. The line $2x - 3y = 6$ cuts the y-axis at

- A) -2 B) -1 C) 2 D) 1 E) 3

16. What is the x-intercept of the line $2y - \frac{1}{3}x = 5$?

- A) -15 B) 1/2 C) 2 D) 1/3 E) 3

17. If the point A(4,5) is on the line $2y = 3x + n$, then the line cuts y axis at

- A) 3 B) 2 C) 1 D) -1 E) -2

18. Let the points A and B be x and y intercepts of the line $6x + 8y = 48$, respectively. Then |AB| is ...

- A) 5 B) 6 C) 10 D) 12 E) 15

19. Which of the followings is a horizontal line?

- A) $y = 2$ B) $x = 1$ C) $y = x$
D) $x + y = 1$ E) $x = 0$