

Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Question Image	
2	If $K_1: K_2 = 1 : 1$ then the point P dividing the line is	A. Midpoint B. Extreme left point C. Extreme Right Point D. P lies outside k_1 and k_2
3	A point of a solution region where two of its boundary lines intersect, is called	A. Boundary B. Inequality C. Half Plane D. Vertex
4	The circle $(x-2)^2 + (y+3)^2 = 4$ is not concentric with the circle	A. $(x-2)^2 + (y+3)^2 = 9$ B. $(x+2)^2 + (y-3)^2 = 4$ C. $(x-2)^2 + (y+3)^2 = 8$ D. $(x-2)^2 + (y+3)^2 = 5$
5	Question Image	A. $n = 3$ only B. $n > 5$ C. $n > 3$ D. $n < 5$
6	Which of the following is the equation of a line with slope 0 and passing through the point (4, 3)	A. $X = 4$ B. $X = -4$ C. $Y = 3$ D. $Y = -6$
7	Question Image	
8	Question Image	
9	A die is thrown. What is the probability that there is a prime number on the top?	A. $1/2$ B. $1/3$ C. $1/6$ D. $2/3$
10	Two natural numbers whose sum is 25 and difference is 5, are	A. 25, 20 B. 20, 10 C. 20, 5 D. 15, 10
11	Question Image	
12	Which of the following integrals can be evaluated	
13	Question Image	
14	If $Z = (1, 2)$, then $Z^{-1} = ?$	A. (0.2, 0.4) B. (-0.2, 0.4) C. (0.2, -0.4) D. (-0.2, -0.4)
15	The line joining (1, 3) to (a, b) has unit gradient then	A. $a - b = -2$ B. $a + b = 0$ C. $a - b = 5$ D. $2a + 3b = 1$
16	Question Image	
17	If $f_1(x)$ and $f_2(x)$ are any two anti derivatives of a function $F(x)$, then the value of $f_1(x) - f_2(x) =$	A. A variable B. A constant C. undefined D. infinity
18	Question Image	
19	Question Image	

20

Question Image

- A. 0
- B. -25
- C. 5
- D. 45