Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	Which is in the solution set of 4x - 3y < 2	A. (3, 0) B. (4, 1) C. (1, 3) D. None
2	a + x is	A. A trinomial B. A binomial C. A moomial D. An equation
3	The number of diagonals of a six sided figure are	A. 9 B. 6 C. 12 D. 3
4	The Domain of f(x) = log x is	
5	Two dice are rolled. The number of possible outcome in which at least one die shows 2 is?	A. 5 B. 12 C. 11 D. 7
6	Question Image	A. 1 B. 2 C. 3 D. 4
7	Question Image	A. 30° B. 45° C. 60° D. 90°
8	A fraction in which the degree of the numerator is less than the degree of the denominator is called	A. Polynomial B. Proper fraction C. Rational fraction D. Mixed fraction
9	Which is not a half plane	A. ax + by < c B. ax + by > c C. Both A and B D. None
10	The gradient of the line joining (1, 4) and (-2, 5) is	A. 3/8 B. -2 2/3 C. -1/3 D. 2
11	If A and B are matrices such that AB=BA=I then	A. A and B are multiplicative inverse of each other B. A and B are additive inverses of each other C. . A and B are singular matrices D. A and B are equal
12	Question Image	
13	The value of x, and y, when $(x + iy)^2 = 5 + 4i$	A. X = 2, y = -1 B. X = -2, y = 1 C. X = 2, y = -1 D. X = 2, y = 2
14	Question Image	
15	Question Image	A. Nilpotent matrix B. Singular matrix C. Non singular matrix

		D. Diagonal matrix
16	Question Image	A. p < r B. p > r C. p + r < 0 D. p - r < 0
17	Question Image	D. None of these
18	What is a proper rational fraction?	D. All are proper rational fractions
19	Question Image	B. -3/4 C. 1/16 D. 1/4
20	An angle of one radian is equivalent to	A. 90° B. 60° C. 67° D. 57° 18[']