Mathematics ECAT Pre Engineering Online Test

Sr	Questions	Answers Choice
1	The general equation of a circle is	
2	Question Image	
3	Question Image	
4	Question Image	
5	Question Image	A. 2 B. 4 C. 3 D. 16
6	Question Image	A. 5 B. 25 D. 3
7	Question Image	
8	Question Image	
9	Question Image	
10	Two circles are said to be concentric if they have	A. same radius B. same chord C. same centre D. same diameter
11	Question Image	
12	Question Image	A. (1, 3) B. (-1, -3) C. (1, -3) D. (-1, 3)
13	Question Image	A. 8 C. 4 D. 64
14	Question Image	A. 0 B. 1 C. 13
15	Question Image	A. 11 B. 61 D. 1
16	Question Image	A. (-6,4) B. (-3,2) C. (6,-4) D. (3, -2)
17	Question Image	
18	The centre fo the circle $x^2 + y^2 + 12x - 10 = 0$ is	A. (12, -10) B. (6, -5) C. (-12, 10) D. (-6, 5)
19	Question Image	
20	Question Image	A. (g,f) B. (-g,f) C. (g,-f) D. (-g,-f)
21	The parametric equations of a circle are	
22	Question Image	
23	Question Image	

24	The equation of the circle wit (-1, 1) and radius 2 is	
25	Question Image	
26	Question Image	
27	Question Image	
28	Question Image	A. -1 B. 0 C. 1 D. Undefined
29	Tan 360° = _____	A. -1 B. 0 C. 1 D. Undefined
30	Sin 270° = _____	A. -1 B. 0 C. 1 D. Undefined