Subject: Mathematics	
Total Marks: 35	
1. 3 rais to 0 ?.	
Marks: 1	1
2. If two or more points lie on the same line, they are called Marks: 2	2
	<u> </u>
3. Solve for the area of a square with side length 5 units. Marks: 2	2
	_
4. Calculate the area of a trapezoid with bases 6 units and 8 units and height 5 units. Marks: 2	2
5. Calculate the perimeter of a rectangle with length 10 units and width	
4 units. Marks: 2	2
6. Solve for x: $2x + 5 = 15$.	
Marks: 2	2
7. If angle A is 45 degrees, what is the measure of its complementary	
angle? Marks: 2	2
8. What is the area of a parallelogram with base 7 units and height 9	
units? Marks: 2	2
9. Solve the equation $log_{1}(x) = 3$.	
Marks: 2	2
10. What is the value of Pi?	
Marks: 2	2
11. Determine the equation of a line perpendicular to $y = 2x + 3$ that	_
passes through the point $(4, 7)$. Marks: 3	3
12. Determine the area of a rectangle with length 12 units and width 8	,
units. Marks: 3	3
13. Determine the surface area of a sphere with a radius of 9 units.	
Marks: 3	3
14. Solve the Navier-Stokes equations for an incompressible fluid in three	
dimensions. Marks: 5	5
15. 3 rais to 0 ?.	

Marks: 1