

**GEOMETRY INDIVIDUAL TEST**

Answers:

1. B	11. C	21. B
2. D	12. D	22. A
3. D	13. A	23. D
4. C	14. E	24. E
5. A	15. A	25. C
6. D	16. D	26. B
7. C	17. B	27. D
8. A	18. B	28. A
9. A	19. D	29. B
10. B	20. C	30. C

**GEOMETRY TEAM ANSWERS** (Final Column is answer to be turned in)

	Part 1	Part 2	Part 3	Part 4	Final Answer
1.	x=20	y=10	z=9	QF=15	54
2.	160	85	30	20	295
3.	M=84/11	N=70/11	5	20/7	29
4.	A=40	B=35	C=100	---	175
5.	A=120	y=65	----	---	185
6.	$A = \frac{7}{5}$	$B = 10\sqrt{3}$	$C = 5\sqrt{15}$	$D = \frac{2}{\sqrt{5}}$	420
7.	A=20	B=50	C=25	D=50/3	145
8.	x=15	y=45	$QS = \frac{20\sqrt{3}}{3}$	----	80
9.	A=18	B=22	C=72	D=30	142
10.	A=3	B=1	C=3	---	1
11.	A=12	B=48	C=66	D=36	2
12.	$A = 5\sqrt{2}$	B=18	C=18	D=18	64
13.	A=70	B=70	C=100	D=80	20
14.	A=4	B=1	C= 1/4	D=1/4	5.5 or 11/2
15.	$A = 12\sqrt{2}$	B=12	$C = 8\sqrt{6}$	---	32