

"Math is Cool" Masters - 2012-13

December 1, 2012

Final Score:

KEY

STUDENT NAME: _____ School Name: _____

Proctor Name: _____ Team #: _____ Room #: _____

ALGEBRA 2 Individual Contest - Score Sheet

DO NOT WRITE IN SHADED REGIONS

	Answer	1 or 0	1 or 0
1	5/6		
2	65 [feet]		
3	(2,-3)		
4	(0,9)		
5	1144 [cm ³]		
6	4/7		
7	194		
8	4.8×10 ²		
9	3d ² -6d+14		
10	(-1,-1)		
11	330π [cm ²]		
12	$\frac{2048\pi}{3}$ [cm ³]		
13	121 [squares]		
14	$\frac{1 + \sqrt{101}}{2}$		
15	5√5 [cm]		
1-15 TOTAL:			

	Answer	1 or 0	1 or 0
16	105/512		
17	3		
18	7, 5/3		
19	50√6 [cm ²]		
20	175/27 [hrs]		
21	6		
22	$\frac{2300}{3}\pi$		
23	1024		
24	13		
25	8√6 [cm]		
26	3000 [mL]		
27	√3 + √6		
28	(-2,4)		
29	(1, 4)		
30	(0,3 - √21)		
16-30 TOTAL:			

	Answer	1 or 0	1 or 0
31	13/2 [m]		
32	69 [revs]		
33	12 [numbers]		
34	-15		
35	8 [caterpillars]		
36	160 [cm ²]		
37	32		
38	6AA _[16]		
39	1000/6 [units ³]		
40	38 [numbers]		
31-40 TOTAL:			

ALGEBRA 2

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1-15 TOTAL:		<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>

	Answer	1 or 0	1 or 0
16			
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16-30 TOTAL:		<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>

	Answer	1 or 0	1 or 0
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31-40 TOTAL:		<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>

ALGEBRA 2

"Math is Cool" Masters - 2012-13

December 1, 2012

Final Score:

KEY

STUDENT NAME: _____ School Name: _____

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TRIGONOMETRY Individual Contest - Score Sheet

DO NOT WRITE IN SHADED REGIONS

	Answer	1 or 0	1 or 0
1	5/6		
2	65 [feet]		
3	(2,-3)		
4	(0,9)		
5	1144 [cm ³]		
6	4/7		
7	194		
8	4.8×10 ²		
9	3d ² -6d+14		
10	(-1,-1)		
11	330π [cm ²]		
12	$\frac{2048\pi}{3}$ [cm ³]		
13	121 [squares]		
14	$\frac{1 + \sqrt{101}}{2}$		
15	5√5 [cm]		
1-15 TOTAL:			

	Answer	1 or 0	1 or 0
16	105/512		
17	3		
18	7, 5/3		
19	50√6 [cm ²]		
20	175/27 [hrs]		
21	6		
22	$\frac{2300}{3}\pi$		
23	1024		
24	13		
25	8√6 [cm]		
26	3000 [mL]		
27	√3 + √6		
28	(-2,4)		
29	(1, 4)		
30	(0,3 - √21)		
16-30 TOTAL:			

	Answer	1 or 0	1 or 0
31	88/4165		
32	69 [revs]		
33	23		
34	-15		
35	3√3 [cm ²]		
36	160 [cm ²]		
37	32		
38	6AA _[16]		
39	15/34		
40	38 [numbers]		
31-40 TOTAL:			

TRIGONOMETRY

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31-40 TOTAL:		<input style="width: 40px; height: 20px;" type="text"/>	<input style="width: 40px; height: 20px;" type="text"/>

TRIGONOMETRY

"Math is Cool" Masters - 2012-13

December 1, 2012 - CALCULUS

Final Score:

KEY

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Proctor Name: _____ Team #: _____ Room #: _____

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	Answer	1 or 0	1 or 0
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2	65 [feet]		
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1-15 TOTAL:			

	Answer	1 or 0	1 or 0
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17	3		
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21	6		
22	$\frac{2300}{3}\pi$		
23	1024		
24	13		
25	8√6 [cm]		
26	3000 [mL]		
27	√3 + √6		
28	3024		
29	(1, 4)		
30	(0, 3 - √21)		
16-30 TOTAL:			

	Answer	1 or 0	1 or 0
31	13/2 [m]		
32	7/16		
33	2.72 ¹⁰⁰		
34	-15		
35	8 [caterpillars]		
36	10395		
37	32		
38	6AA _[16]		
39	1000/6 [units ³]		
40	6π [cm ²]		
31-40 TOTAL:			

CALCULUS

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40			
31-40 TOTAL:			

CALCULUS