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TAMPA BAY TECH INVITATIONAL – MARCH 31, 2001

MASTER KEY

Question #			Individual		Calculus	Statistics
	Algebra I	Geometry	Algebra II	Pre-Calculus		
1	A	A	A	C	D	C
2	C	D	C	A	A	B
3	A	A	D	B D	D	A
4	C	B	B	B	C	C
5	D	C	C	C	A	C
6	D	C	C	A	A	D
7	A	D	B	A	A	A
8	C	B	B	E	C	B
9	D	C	C	A	B	C
10	D	B	D	B	E no pt exists	A
11	B	C	B	D	C	C
12	D	D	A	C	B	B
13	C	B	A	A	C	D
14	B	C	A	D	A	A
15	A	C	A	D	C	C
16	A	B OR E	C	B	C	D
17	A	A	B	B	A	C
18	B	A	C	B	D	A
19	C	B	A	B	D	E none true
20	D	B	A	B	B	B
21	B	D	C	C	A	A
22	A	B	D	A	D	C
23	B	D	A	B	C	B
24	D	B	D	B	B	A
25	D	E equidistant	D	C	B Throws Out	D
26	C	B	B	B	A	B
27	C	B	C	C	A	B
28	C	C	B	B	C	D
29	A	B	B	D	D	B
30	B	D	A	D	A	C
			Team			
1	-11.12	39.3	3,626	126.4	.42	
2	3/50	3+10 π	12,217.7	.2125 or 17/80	470	
3	4	1410	3,165	$\sqrt{2}/2$	141	
4	110/7	6 $\sqrt{26}$	112,474	104 + 4 π	$e^4 - e^2$	
5	485 π / 6	-26	348,408	5.53	14 / 5 or 2.8	
6	1178	36 feet	8 / 81	8	1/2 ln2	
7	-27/8	76 π ft ²	9 / 8	13 / 3	4-2 $\sqrt{2}$ OR $\omega = \frac{2}{\cos\theta + 1}$	
8	16.2	C,B,D,A	1,219,512	1898	11- $\sqrt{31}$	
9	8	-3598	11,345	8.62	8 π / 5	
10	0	448 $\sqrt{51}$	9	$\sqrt{2}/2$	63	
11	7 OR 102.9	1/16	9	3	40	
12	-24	3708+ 720 $\sqrt{3}$	242	19:31 "odds"	192 ft / s	
13	2.5 x 10 ⁻⁹	6- $\frac{3\sqrt{3}}{4}$	32	62.5	6	
14	500 $\sqrt{3}$ + 75	53.2	5.4	2	6 π	
15	58.8	2	32,640	7.1	43,875 ft - lb	