ITEM #	CALCULUS	ITEM #	PRECALCULUS	ITEM #	Algebra	ITEM #	Geometry	ITEM #	Prob/Stats
1	4	1	-44	1	5530	1	150°	1	1
2	1	2	3	2	6/5	2	14	2	Systematic random sample
3	$\dfrac{2x^2e^x - x^2 - 2xe^x + e^{2x}}{(x+e^x)^2}$	3	$27\sqrt{3}$	3	$\dfrac{2}{5} + \dfrac{i}{5}$	3	8	3	6720
4	$\dfrac{1}{\sin x \cos x} = \dfrac{2}{\sin 2x}$	4	$13/36$	4	4	4	880	4	0.12
5	$\left(3, \dfrac{16}{3}\right), \left(-3, \dfrac{-16}{3}\right)$	5	$V = \dfrac{\pi h^3}{16}$,	5	84/5	5	11	5	$\dfrac{216}{625}$
6	-0.8 cm/sec	6	4	6	$26\pi\sqrt{41}$	6	$6\sqrt{7}$	6	$\dfrac{21}{5} = 4.2$
7	$y + \dfrac{2}{e^2} = 1\left(x - \dfrac{1}{e^2}\right)$	7	$\log_3 4$	7	-102	7	800π	7	-5.5
8	$\dfrac{3}{a}(b+ax)^{1/3} + C$	8	B	8	$\dfrac{7}{23}$	8	$\frac{2\sqrt{6}}{3} + 2$ or $\frac{2\sqrt{6}+6}{3}$.	8	48
9	$\dfrac{-1}{x} + \arctan x + C$	9	-5, -1, 4	9	$\dfrac{67}{89}$	9	28	9	2/3
10	$\dfrac{5x^2}{2} - 8x + 13\ln|x+2| + C$	10	$6\sqrt{3}$	10	$-1, -2, -\frac{1}{3}, and -\frac{7}{2}$	10	58	10	35/12
11	$2x\sqrt{x^4 + 3x^2 + 1}$	11	22	11	30 factors	11	5	11	0.21
12	$\dfrac{e^x}{2}(\sin x + \cos x) + C$	12	- 2	12	2726_8	12	$32\sqrt{2}$	12	-0.55
13	$\dfrac{8}{3}\ln|3x+1| - 2\ln|x-4| + C$	13	- 6	13	4	13	69	13	1346
14	π	14	$(4\sqrt{3}, -4)$	14	$\dfrac{47}{198}$	14	$22\sqrt{30}$	14	2600
15	1	15	$\left(\dfrac{2}{3}, 1\right) \cup (1,2) \cup (3, \infty)$	15	3	15	$2\sqrt{157}$	15	19
16	$x = 0$	16	-32 or -32 + 0i	16	{3, 4, 5, 6}	16	66	16	10
17	$\dfrac{-145}{8}$	17	$73/81$	17	18	17	46	17	5
18	∞	18	1	18	X=3	18	262	18	0.05
19	$w = \dfrac{16\sqrt{3}}{3}$ in $\quad d = \dfrac{16\sqrt{6}}{3}$ in	19	0	19	4096	19	$\dfrac{2\sqrt{3}}{3}$	19	13/16
20	$a = -2$	20	4/3	20	1	20	2	20	5/3
21	$f'(x) = \cos(\sin(\sin x)) \cdot \cos(\sin x) \cdot \cos x$	21	1/3	21	X=4	21	$75\sqrt{3}$	21	6
22	$f'(x) = \dfrac{2\sin x\left[\sin x^2 \cos x - x\sin x\cos x^2\right]}{\sin^2 x^2}$	22	1/2	22	The sum of these entries is ¾	22	200°	22	10
23	$\dfrac{49}{2}$	23	340/3	23	$\dfrac{\sqrt{13}}{3}$	23	280	23	0.83
24	$\dfrac{768\pi}{5}$	24	9/8	24	$8 - 8i$	24	$\dfrac{8\sqrt{5}}{3}$	24	1/3
25	$y = \sqrt{\dfrac{5x^2 + 4x - 21}{7}}$	25	10	25	$x^2 + 6x - 45$	25	$\dfrac{17}{8}$	25	1/56