

Name: \_\_\_\_\_

Problem	Possible	Score
1	15	12
2	10	8
3	15	13
4	20	13
5	20	14
6	20	14
Total	100	74

General information that may be useful sometime during test:

Table of Powers of Two

N	$2^N$	N	$2^N$	N	$2^N$	N	$2^N$
0	1	8	256	16	65,536	24	16,777,216
1	2	9	512	17	131,072	25	33,554,432
2	4	10	1,024	18	262,144	26	67,108,864
3	8	11	2,048	19	524,288	27	134,217,728
4	16	12	4,096	20	1,048,576	28	268,435,456
5	32	13	8,192	21	2,097,152	29	536,870,912
6	64	14	16,384	22	4,194,304	30	1,073,741,824
7	128	15	32,768	23	8,388,608	31	2,147,483,648