

Swiss Games Solutions

Game 1: $2x^2 - 2$

1	2	-1	0	3	4	-6	-7	-4	5	8	10	-13	$\sqrt{17}$	$\sqrt{\frac{5}{2}}$	/
0	6	0	-2	16	30	70	96	30	48	126	198	336	32	3	-4

Game 2: twice the smallest prime divisor of x

7	4	18	29	34	63	91	47	85	102	105	143	133	231	505	427
14	4	4	58	4	6	14	94	10	4	6	22	14	6	10	14

Game 3: greatest integer $\leq \sqrt{x}$

2	4	10	5	36	0	15	16	47	65	111	180	230	402	920	10001
1	2	3	2	6	0	3	4	6	8	10	13	15	20	30	100

Game 4: $\begin{cases} x^2 + 1, & \text{if } x \text{ is even} \\ x^2 - 1, & \text{if } x \text{ is odd} \end{cases}$

1	-1	2	6	-3	5	8	-7	9	-4	3	-8	-5	-6	4	11
0	0	5	37	8	24	65	48	80	17	8	65	24	37	17	120