

HEAD TO HEAD answers

ROUND 1

3	2	5	10	100	26	199	0	-1	0.5	-4.5	-99.5
7	5	<u>11</u>	<u>21</u>	<u>201</u>	<u>53</u>	<u>399</u>	<u>1</u>	<u>-1</u>	<u>2</u>	<u>-8</u>	<u>-198</u>

$$y = 2x + 1$$

ROUND 2

4	7	10	2	20	100	1001	-2	1.5	-9	0.5	-0.5
12	42	<u>90</u>	<u>2</u>	<u>380</u>	<u>9900</u>	<u>1001000</u>	<u>6</u>	<u>0.75</u>	<u>90</u>	<u>-0.25</u>	<u>0.75</u>

$$y = x(x - 1)$$

ROUND 3

3	7	10	5	6	9	20	100	0.5	-1	-5	-0.5
8	48	<u>99</u>	<u>24</u>	<u>35</u>	<u>80</u>	<u>399</u>	<u>9999</u>	<u>-0.75</u>	<u>0</u>	<u>24</u>	<u>-0.75</u>

$$y = x^2 - 1$$

ROUND 4

6	20	27	5	13	11	99	100	109	1000	0	123456
6	2	<u>0</u>	<u>5</u>	<u>4</u>	<u>2</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>3</u>

$$y = \text{remainder when } x \text{ is divided by } 9$$

ROUND 5

5	10	16	24	37	36	50	100	70	4.5	76.9	413
2	3	<u>4</u>	<u>4</u>	<u>6</u>	<u>6</u>	<u>7</u>	<u>10</u>	<u>8</u>	<u>2</u>	<u>8</u>	<u>20</u>

$$y = \text{integer part of square root of } x$$

ROUND 6

6	14	28	0	12	20	100	11.5	-6	-14	269	-901
3	5	<u>10</u>	<u>1</u>	<u>5</u>	<u>7</u>	<u>34</u>	<u>4</u>	<u>-1</u>	<u>-4</u>	<u>90</u>	<u>-300</u>

$$y = \text{smallest integer greater than } (x \text{ divided by } 3)$$