SDEV 300 - Project 2

Author: Tyler D Clark **Date:** 29 March 2020

This post will serve as documentation for the project 2. Includes 5 test cases for the lottery number application and charts for the outputs of math functions.

lottery_numbers Application

Test Case	Input	Expected Output	Actual Output	Pass?
1	1	Random 3 digit lotto number	Your 3 digit lottery number is: 9 4 0	Yes
2	1	Random 3 digit lotto number	Your 3 digit lottery number is: 0 9 1	Yes
3	2	Random 4 digit lotto number	Your 4 digit lottery number is: 3 0 4 1	Yes
4	4	error	Not a valid response!	Yes
5 d	error	error	n/a; outside instruction	

Test Case 1

```
**** Welcome to the Pick-3, Pick-4 lottery number generator ****

Select from the following menu:

1. Generate 3-Digit Lottery number

2. Generate 4-Digit Lottery number

3. Exit the Application

1

Your 3 digit lottery number is:

9 4 0

Select from the following menu:

1. Generate 3-Digit Lottery number

2. Generate 4-Digit Lottery number

3. Exit the Application
```

Output in Cloud9 IDE of test case 1 (3-digit lotto number)

Test Case 2

```
9 4 0

Select from the following menu:

1. Generate 3-Digit Lottery number

2. Generate 4-Digit Lottery number

3. Exit the Application

1

Your 3 digit lottery number is:

0 9 1

Select from the following menu:

1. Generate 3-Digit Lottery number

2. Generate 4-Digit Lottery number

3. Exit the Application
```

Output in Cloud9 IDE of test case 2 (3-digit lotto number showing correct consecutive use)

Test Case 3

```
0 9 1
Select from the following menu:
1. Generate 3-Digit Lottery number
2. Generate 4-Digit Lottery number
3. Exit the Application
2
Your 4 digit lottery number is:
3 0 4 1
Select from the following menu:
1. Generate 3-Digit Lottery number
2. Generate 4-Digit Lottery number
3. Exit the Application
```

Output in Cloud9 IDE of test case 3 (4-digit lotto number)

Test Case 4

```
Your 4 digit lottery number is:

3 0 4 1

Select from the following menu:
1. Generate 3-Digit Lottery number
2. Generate 4-Digit Lottery number
3. Exit the Application
4

Not a valid response!

Select from the following menu:
1. Generate 3-Digit Lottery number
2. Generate 4-Digit Lottery number
3. Exit the Application
```

Output in Cloud9 IDE of test case 4 (invalid response)

Test case 5

```
Not a valid response!

Select from the following menu:

1. Generate 3-Digit Lottery number

2. Generate 4-Digit Lottery number

3. Exit the Application

d

Traceback (most recent call last):
   File "/home/ec2-user/environment/lottery_numbers.py", line 23, in <module>
        user_choice = menu() # each run of while loop will grab choice at beginning
   File "/home/ec2-user/environment/lottery_numbers.py", line 10, in menu
        return int(input("\nSelect from the following menu: \n1. Generate 3-Digit Lottery number \n2. Generate 4-Digit "

ValueError: invalid literal for int() with base 10: 'd'

Process exited with code: 0
```

Output in Cloud9 IDE of test case 5 (error with characters)

math_functions application

Sin and cos

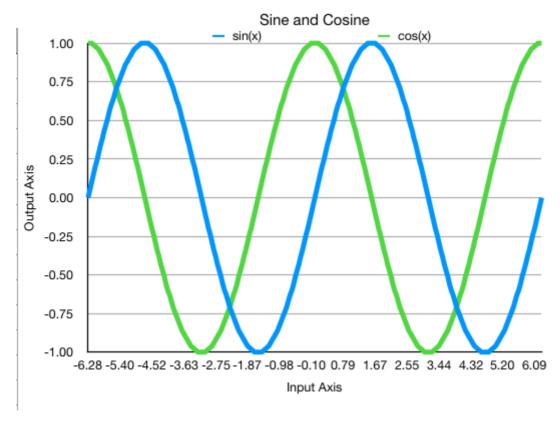


chart of the outputs of the sin and cos functions

Square root and log10

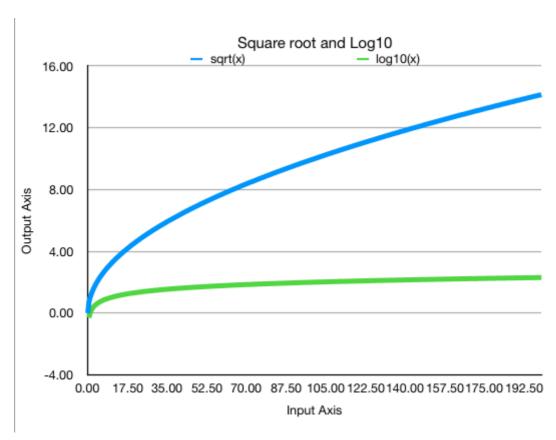


chart of the outputs of the sqrt and log10 functions

Tables of data

(also attached as csv)

x	sin(x)	x	cos(x)	x	sqrt(x)	x	log10(x)
-6.28	0.00	-6.28	1.00	0.00	0.00	0	undefined
-6.23	0.05	-6.23	1.00	0.50	0.71	0.50	-0.30
-6.19	0.10	-6.19	1.00	1.00	1.00	1.00	0.00
-6.14	0.15	-6.14	0.99	1.50	1.22	1.50	0.18
-6.09	0.20	-6.09	0.98	2.00	1.41	2.00	0.30
-6.04	0.24	-6.04	0.97	2.50	1.58	2.50	0.40
-5.99	0.29	-5.99	0.96	3.00	1.73	3.00	0.48
-5.94	0.34	-5.94	0.94	3.50	1.87	3.50	0.54
-5.89	0.38	-5.89	0.92	4.00	2.00	4.00	0.60
-5.84	0.43	-5.84	0.90	4.50	2.12	4.50	0.65
-5.79	0.47	-5.79	0.88	5.00	2.24	5.00	0.70
-5.74	0.51	-5.74	0.86	5.50	2.35	5.50	0.74
-5.69	0.56	-5.69	0.83	6.00	2.45	6.00	0.78
-5.65	0.60	-5.65	0.80	6.50	2.55	6.50	0.81
-5.60	0.63	-5.60	0.77	7.00	2.65	7.00	0.85
-5.55	0.67	-5.55	0.74	7.50	2.74	7.50	0.88
-5.50	0.71	-5.50	0.71	8.00	2.83	8.00	0.90
-5.45	0.74	-5.45	0.67	8.50	2.92	8.50	0.93
-5.40	0.77	-5.40	0.63	9.00	3.00	9.00	0.95
-5.35	0.80	-5.35	0.60	9.50	3.08	9.50	0.98
-5.30	0.83	-5.30	0.56	10.00	3.16	10.00	1.00
-5.25	0.86	-5.25	0.51	10.50	3.24	10.50	1.02
-5.20	0.88	-5.20	0.47	11.00	3.32	11.00	1.04
-5.15	0.90	-5.15	0.43	11.50	3.39	11.50	1.06
-5.11	0.92	-5.11	0.38	12.00	3.46	12.00	1.08
-5.06	0.94	-5.06	0.34	12.50	3.54	12.50	1.10
-5.01	0.96	-5.01	0.29	13.00	3.61	13.00	1.11
-4.96	0.97	-4.96	0.24	13.50	3.67	13.50	1.13
-4.91	0.98	-4.91	0.20	14.00	3.74	14.00	1.15
-4.86	0.99	-4.86	0.15	14.50	3.81	14.50	1.16

x	sin(x)	x	cos(x)	x	sqrt(x)	x	log10(x)
-4.81	1.00	-4.81	0.10	15.00	3.87	15.00	1.18
-4.76	1.00	-4.76	0.05	15.50	3.94	15.50	1.19
-4.71	1.00	-4.71	0.00	16.00	4.00	16.00	1.20
-4.66	1.00	-4.66	-0.05	16.50	4.06	16.50	1.22
-4.61	1.00	-4.61	-0.10	17.00	4.12	17.00	1.23
-4.57	0.99	-4.57	-0.15	17.50	4.18	17.50	1.24
-4.52	0.98	-4.52	-0.20	18.00	4.24	18.00	1.26
-4.47	0.97	-4.47	-0.24	18.50	4.30	18.50	1.27
-4.42	0.96	-4.42	-0.29	19.00	4.36	19.00	1.28
-4.37	0.94	-4.37	-0.34	19.50	4.42	19.50	1.29
-4.32	0.92	-4.32	-0.38	20.00	4.47	20.00	1.30
-4.27	0.90	-4.27	-0.43	20.50	4.53	20.50	1.31
-4.22	0.88	-4.22	-0.47	21.00	4.58	21.00	1.32
-4.17	0.86	-4.17	-0.51	21.50	4.64	21.50	1.33
-4.12	0.83	-4.12	-0.56	22.00	4.69	22.00	1.34
-4.07	0.80	-4.07	-0.60	22.50	4.74	22.50	1.35
-4.03	0.77	-4.03	-0.63	23.00	4.80	23.00	1.36
-3.98	0.74	-3.98	-0.67	23.50	4.85	23.50	1.37
-3.93	0.71	-3.93	-0.71	24.00	4.90	24.00	1.38
-3.88	0.67	-3.88	-0.74	24.50	4.95	24.50	1.39
-3.83	0.63	-3.83	-0.77	25.00	5.00	25.00	1.40
-3.78	0.60	-3.78	-0.80	25.50	5.05	25.50	1.41
-3.73	0.56	-3.73	-0.83	26.00	5.10	26.00	1.41
-3.68	0.51	-3.68	-0.86	26.50	5.15	26.50	1.42
-3.63	0.47	-3.63	-0.88	27.00	5.20	27.00	1.43
-3.58	0.43	-3.58	-0.90	27.50	5.24	27.50	1.44
-3.53	0.38	-3.53	-0.92	28.00	5.29	28.00	1.45
-3.49	0.34	-3.49	-0.94	28.50	5.34	28.50	1.45
-3.44	0.29	-3.44	-0.96	29.00	5.39	29.00	1.46
-3.39	0.24	-3.39	-0.97	29.50	5.43	29.50	1.47

x	sin(x)	x	cos(x)	x	sqrt(x)	x	log10(x)
-3.34	0.20	-3.34	-0.98	30.00	5.48	30.00	1.48
-3.29	0.15	-3.29	-0.99	30.50	5.52	30.50	1.48
-3.24	0.10	-3.24	-1.00	31.00	5.57	31.00	1.49
-3.19	0.05	-3.19	-1.00	31.50	5.61	31.50	1.50
-3.14	0.00	-3.14	-1.00	32.00	5.66	32.00	1.51
-3.09	-0.05	-3.09	-1.00	32.50	5.70	32.50	1.51
-3.04	-0.10	-3.04	-1.00	33.00	5.74	33.00	1.52
-2.99	-0.15	-2.99	-0.99	33.50	5.79	33.50	1.53
-2.95	-0.20	-2.95	-0.98	34.00	5.83	34.00	1.53
-2.90	-0.24	-2.90	-0.97	34.50	5.87	34.50	1.54
-2.85	-0.29	-2.85	-0.96	35.00	5.92	35.00	1.54
-2.80	-0.34	-2.80	-0.94	35.50	5.96	35.50	1.55
-2.75	-0.38	-2.75	-0.92	36.00	6.00	36.00	1.56
-2.70	-0.43	-2.70	-0.90	36.50	6.04	36.50	1.56
-2.65	-0.47	-2.65	-0.88	37.00	6.08	37.00	1.57
-2.60	-0.51	-2.60	-0.86	37.50	6.12	37.50	1.57
-2.55	-0.56	-2.55	-0.83	38.00	6.16	38.00	1.58
-2.50	-0.60	-2.50	-0.80	38.50	6.20	38.50	1.59
-2.45	-0.63	-2.45	-0.77	39.00	6.24	39.00	1.59
-2.41	-0.67	-2.41	-0.74	39.50	6.28	39.50	1.60
-2.36	-0.71	-2.36	-0.71	40.00	6.32	40.00	1.60
-2.31	-0.74	-2.31	-0.67	40.50	6.36	40.50	1.61
-2.26	-0.77	-2.26	-0.63	41.00	6.40	41.00	1.61
-2.21	-0.80	-2.21	-0.60	41.50	6.44	41.50	1.62
-2.16	-0.83	-2.16	-0.56	42.00	6.48	42.00	1.62
-2.11	-0.86	-2.11	-0.51	42.50	6.52	42.50	1.63
-2.06	-0.88	-2.06	-0.47	43.00	6.56	43.00	1.63
-2.01	-0.90	-2.01	-0.43	43.50	6.60	43.50	1.64
-1.96	-0.92	-1.96	-0.38	44.00	6.63	44.00	1.64
-1.91	-0.94	-1.91	-0.34	44.50	6.67	44.50	1.65

x	sin(x)	x	cos(x)	x	sqrt(x)	x	log10(x)
-1.87	-0.96	-1.87	-0.29	45.00	6.71	45.00	1.65
-1.82	-0.97	-1.82	-0.24	45.50	6.75	45.50	1.66
-1.77	-0.98	-1.77	-0.20	46.00	6.78	46.00	1.66
-1.72	-0.99	-1.72	-0.15	46.50	6.82	46.50	1.67
-1.67	-1.00	-1.67	-0.10	47.00	6.86	47.00	1.67
-1.62	-1.00	-1.62	-0.05	47.50	6.89	47.50	1.68
-1.57	-1.00	-1.57	0.00	48.00	6.93	48.00	1.68
-1.52	-1.00	-1.52	0.05	48.50	6.96	48.50	1.69
-1.47	-1.00	-1.47	0.10	49.00	7.00	49.00	1.69
-1.42	-0.99	-1.42	0.15	49.50	7.04	49.50	1.69
-1.37	-0.98	-1.37	0.20	50.00	7.07	50.00	1.70
-1.33	-0.97	-1.33	0.24	50.50	7.11	50.50	1.70
-1.28	-0.96	-1.28	0.29	51.00	7.14	51.00	1.71
-1.23	-0.94	-1.23	0.34	51.50	7.18	51.50	1.71
-1.18	-0.92	-1.18	0.38	52.00	7.21	52.00	1.72
-1.13	-0.90	-1.13	0.43	52.50	7.25	52.50	1.72
-1.08	-0.88	-1.08	0.47	53.00	7.28	53.00	1.72
-1.03	-0.86	-1.03	0.51	53.50	7.31	53.50	1.73
-0.98	-0.83	-0.98	0.56	54.00	7.35	54.00	1.73
-0.93	-0.80	-0.93	0.60	54.50	7.38	54.50	1.74
-0.88	-0.77	-0.88	0.63	55.00	7.42	55.00	1.74
-0.83	-0.74	-0.83	0.67	55.50	7.45	55.50	1.74
-0.79	-0.71	-0.79	0.71	56.00	7.48	56.00	1.75
-0.74	-0.67	-0.74	0.74	56.50	7.52	56.50	1.75
-0.69	-0.63	-0.69	0.77	57.00	7.55	57.00	1.76
-0.64	-0.60	-0.64	0.80	57.50	7.58	57.50	1.76
-0.59	-0.56	-0.59	0.83	58.00	7.62	58.00	1.76
-0.54	-0.51	-0.54	0.86	58.50	7.65	58.50	1.77
-0.49	-0.47	-0.49	0.88	59.00	7.68	59.00	1.77
-0.44	-0.43	-0.44	0.90	59.50	7.71	59.50	1.77
		-					

x	sin(x)	x	cos(x)	x	sqrt(x)	x	log10(x)
-0.39	-0.38	-0.39	0.92	60.00	7.75	60.00	1.78
-0.34	-0.34	-0.34	0.94	60.50	7.78	60.50	1.78
-0.29	-0.29	-0.29	0.96	61.00	7.81	61.00	1.79
-0.25	-0.24	-0.25	0.97	61.50	7.84	61.50	1.79
-0.20	-0.20	-0.20	0.98	62.00	7.87	62.00	1.79
-0.15	-0.15	-0.15	0.99	62.50	7.91	62.50	1.80
-0.10	-0.10	-0.10	1.00	63.00	7.94	63.00	1.80
-0.05	-0.05	-0.05	1.00	63.50	7.97	63.50	1.80
0.00	0.00	0.00	1.00	64.00	8.00	64.00	1.81
0.05	0.05	0.05	1.00	64.50	8.03	64.50	1.81
0.10	0.10	0.10	1.00	65.00	8.06	65.00	1.81
0.15	0.15	0.15	0.99	65.50	8.09	65.50	1.82
0.20	0.20	0.20	0.98	66.00	8.12	66.00	1.82
0.25	0.24	0.25	0.97	66.50	8.15	66.50	1.82
0.29	0.29	0.29	0.96	67.00	8.19	67.00	1.83
0.34	0.34	0.34	0.94	67.50	8.22	67.50	1.83
0.39	0.38	0.39	0.92	68.00	8.25	68.00	1.83
0.44	0.43	0.44	0.90	68.50	8.28	68.50	1.84
0.49	0.47	0.49	0.88	69.00	8.31	69.00	1.84
0.54	0.51	0.54	0.86	69.50	8.34	69.50	1.84
0.59	0.56	0.59	0.83	70.00	8.37	70.00	1.85
0.64	0.60	0.64	0.80	70.50	8.40	70.50	1.85
0.69	0.63	0.69	0.77	71.00	8.43	71.00	1.85
0.74	0.67	0.74	0.74	71.50	8.46	71.50	1.85
0.79	0.71	0.79	0.71	72.00	8.49	72.00	1.86
0.83	0.74	0.83	0.67	72.50	8.51	72.50	1.86
0.88	0.77	0.88	0.63	73.00	8.54	73.00	1.86
0.93	0.80	0.93	0.60	73.50	8.57	73.50	1.87
0.98	0.83	0.98	0.56	74.00	8.60	74.00	1.87
1.03	0.86	1.03	0.51	74.50	8.63	74.50	1.87

1.08 0.88 1.08 0.47 75.00 8.66 75.00 1.88 1.13 0.90 1.13 0.43 75.50 8.69 75.50 1.88 1.18 0.92 1.18 0.38 76.00 8.72 76.00 1.88 1.23 0.94 1.23 0.34 76.50 8.75 76.50 1.88 1.28 0.96 1.28 0.29 77.00 8.77 77.00 1.89 1.33 0.97 1.33 0.24 77.50 8.80 77.50 1.89 1.37 0.98 1.37 0.20 78.00 8.83 78.00 1.89 1.42 0.99 1.42 0.15 78.50 8.86 78.50 1.89 1.47 1.00 1.47 0.10 79.00 8.89 79.00 1.90 1.52 1.00 1.52 0.05 79.50 8.92 79.50 1.90 1.57 1.00 1.62	x	sin(x)	x	cos(x)	x	sqrt(x)	x	log10(x)
1.18 0.92 1.18 0.38 76.00 8.72 76.00 1.88 1.23 0.94 1.23 0.34 76.50 8.75 76.50 1.88 1.28 0.96 1.28 0.29 77.00 8.77 77.00 1.89 1.33 0.97 1.33 0.24 77.50 8.80 77.50 1.89 1.37 0.98 1.37 0.20 78.00 8.83 78.00 1.89 1.42 0.99 1.42 0.15 78.50 8.86 78.50 1.89 1.47 1.00 1.47 0.10 79.00 8.89 79.00 1.90 1.52 1.00 1.52 0.05 79.50 8.92 79.50 1.90 1.57 1.00 1.57 0.00 80.00 8.94 80.00 1.90 1.62 1.00 1.67 -0.10 81.00 9.00 81.00 1.91 1.77 0.99 1.72 <td>1.08</td> <td>0.88</td> <td>1.08</td> <td>0.47</td> <td>75.00</td> <td>8.66</td> <td>75.00</td> <td>1.88</td>	1.08	0.88	1.08	0.47	75.00	8.66	75.00	1.88
1.23 0.94 1.23 0.34 76.50 8.75 76.50 1.88 1.28 0.96 1.28 0.29 77.00 8.77 77.00 1.89 1.33 0.97 1.33 0.24 77.50 8.80 77.50 1.89 1.37 0.98 1.37 0.20 78.00 8.83 78.00 1.89 1.42 0.99 1.42 0.15 78.50 8.86 78.50 1.89 1.47 1.00 1.47 0.10 79.00 8.89 79.00 1.90 1.52 1.00 1.52 0.05 79.50 8.92 79.50 1.90 1.57 1.00 1.57 0.00 80.00 8.94 80.00 1.90 1.62 1.00 1.62 -0.05 80.50 8.97 80.50 1.91 1.67 1.00 1.67 -0.10 81.00 9.00 81.00 1.91 1.77 0.98 1.77 <td>1.13</td> <td>0.90</td> <td>1.13</td> <td>0.43</td> <td>75.50</td> <td>8.69</td> <td>75.50</td> <td>1.88</td>	1.13	0.90	1.13	0.43	75.50	8.69	75.50	1.88
1.28 0.96 1.28 0.29 77.00 8.77 77.00 1.89 1.33 0.97 1.33 0.24 77.50 8.80 77.50 1.89 1.37 0.98 1.37 0.20 78.00 8.83 78.00 1.89 1.42 0.99 1.42 0.15 78.50 8.86 78.50 1.89 1.47 1.00 1.47 0.10 79.00 8.89 79.00 1.90 1.52 1.00 1.52 0.05 79.50 8.92 79.50 1.90 1.57 1.00 1.57 0.00 80.00 8.94 80.00 1.90 1.62 1.00 1.62 -0.05 80.50 8.97 80.50 1.91 1.67 1.00 1.67 -0.10 81.00 9.00 81.00 1.91 1.77 0.98 1.77 -0.20 82.00 9.06 82.00 1.91 1.82 0.97 1.82 </td <td>1.18</td> <td>0.92</td> <td>1.18</td> <td>0.38</td> <td>76.00</td> <td>8.72</td> <td>76.00</td> <td>1.88</td>	1.18	0.92	1.18	0.38	76.00	8.72	76.00	1.88
1.33 0.97 1.33 0.24 77.50 8.80 77.50 1.89 1.37 0.98 1.37 0.20 78.00 8.83 78.00 1.89 1.42 0.99 1.42 0.15 78.50 8.86 78.50 1.89 1.47 1.00 1.47 0.10 79.00 8.89 79.00 1.90 1.52 1.00 1.52 0.05 79.50 8.92 79.50 1.90 1.57 1.00 1.57 0.00 80.00 8.94 80.00 1.90 1.62 1.00 1.62 -0.05 80.50 8.97 80.50 1.91 1.67 1.00 1.67 -0.15 81.50 9.00 81.00 1.91 1.77 0.98 1.77 -0.20 82.00 9.06 82.00 1.91 1.82 0.97 1.82 -0.24 82.50 9.08 82.50 1.92 1.87 0.96 1.87<	1.23	0.94	1.23	0.34	76.50	8.75	76.50	1.88
1.37 0.98 1.37 0.20 78.00 8.83 78.00 1.89 1.42 0.99 1.42 0.15 78.50 8.86 78.50 1.89 1.47 1.00 1.47 0.10 79.00 8.89 79.00 1.90 1.52 1.00 1.52 0.05 79.50 8.92 79.50 1.90 1.57 1.00 1.57 0.00 80.00 8.94 80.00 1.90 1.62 1.00 1.62 -0.05 80.50 8.97 80.50 1.91 1.67 1.00 1.67 -0.10 81.00 9.00 81.00 1.91 1.72 0.99 1.72 -0.15 81.50 9.03 81.50 1.91 1.77 0.98 1.77 -0.20 82.00 9.06 82.00 1.91 1.82 0.97 1.82 -0.24 82.50 9.08 82.50 1.92 1.87 0.96 1.87	1.28	0.96	1.28	0.29	77.00	8.77	77.00	1.89
1.42 0.99 1.42 0.15 78.50 8.86 78.50 1.89 1.47 1.00 1.47 0.10 79.00 8.89 79.00 1.90 1.52 1.00 1.52 0.05 79.50 8.92 79.50 1.90 1.57 1.00 1.57 0.00 80.00 8.94 80.00 1.90 1.62 1.00 1.62 -0.05 80.50 8.97 80.50 1.91 1.67 1.00 1.67 -0.10 81.00 9.00 81.00 1.91 1.72 0.99 1.72 -0.15 81.50 9.03 81.50 1.91 1.77 0.98 1.77 -0.20 82.00 9.06 82.00 1.91 1.82 0.97 1.82 -0.24 82.50 9.08 82.50 1.92 1.91 0.94 1.91 -0.34 83.50 9.14 83.50 1.92 1.96 0.92 1.9	1.33	0.97	1.33	0.24	77.50	8.80	77.50	1.89
1.47 1.00 1.47 0.10 79.00 8.89 79.00 1.90 1.52 1.00 1.52 0.05 79.50 8.92 79.50 1.90 1.57 1.00 1.57 0.00 80.00 8.94 80.00 1.90 1.62 1.00 1.62 -0.05 80.50 8.97 80.50 1.91 1.67 1.00 1.67 -0.10 81.00 9.00 81.00 1.91 1.72 0.99 1.72 -0.15 81.50 9.03 81.50 1.91 1.77 0.98 1.77 -0.20 82.00 9.06 82.00 1.91 1.82 0.97 1.82 -0.24 82.50 9.08 82.50 1.92 1.87 0.96 1.87 -0.29 83.00 9.11 83.00 1.92 1.91 0.94 1.91 -0.34 83.50 9.14 83.50 1.92 1.96 0.92 1.	1.37	0.98	1.37	0.20	78.00	8.83	78.00	1.89
1.52 1.00 1.52 0.05 79.50 8.92 79.50 1.90 1.57 1.00 1.57 0.00 80.00 8.94 80.00 1.90 1.62 1.00 1.62 -0.05 80.50 8.97 80.50 1.91 1.67 1.00 1.67 -0.10 81.00 9.00 81.00 1.91 1.72 0.99 1.72 -0.15 81.50 9.03 81.50 1.91 1.77 0.98 1.77 -0.20 82.00 9.06 82.00 1.91 1.82 0.97 1.82 -0.24 82.50 9.08 82.50 1.92 1.87 0.96 1.87 -0.29 83.00 9.11 83.00 1.92 1.91 0.94 1.91 -0.34 83.50 9.14 83.50 1.92 1.96 0.92 1.96 -0.38 84.00 9.17 84.00 1.92 2.01 0.90 2	1.42	0.99	1.42	0.15	78.50	8.86	78.50	1.89
1.57 1.00 1.57 0.00 80.00 8.94 80.00 1.90 1.62 1.00 1.62 -0.05 80.50 8.97 80.50 1.91 1.67 1.00 1.67 -0.10 81.00 9.00 81.00 1.91 1.72 0.99 1.72 -0.15 81.50 9.03 81.50 1.91 1.77 0.98 1.77 -0.20 82.00 9.06 82.00 1.91 1.82 0.97 1.82 -0.24 82.50 9.08 82.50 1.92 1.87 0.96 1.87 -0.29 83.00 9.11 83.00 1.92 1.91 0.94 1.91 -0.34 83.50 9.14 83.50 1.92 1.96 0.92 1.96 -0.38 84.00 9.17 84.00 1.92 2.01 0.90 2.01 -0.43 84.50 9.19 84.50 1.93 2.11 0.86	1.47	1.00	1.47	0.10	79.00	8.89	79.00	1.90
1.62 1.00 1.62 -0.05 80.50 8.97 80.50 1.91 1.67 1.00 1.67 -0.10 81.00 9.00 81.00 1.91 1.72 0.99 1.72 -0.15 81.50 9.03 81.50 1.91 1.77 0.98 1.77 -0.20 82.00 9.06 82.00 1.91 1.82 0.97 1.82 -0.24 82.50 9.08 82.50 1.92 1.87 0.96 1.87 -0.29 83.00 9.11 83.00 1.92 1.91 0.94 1.91 -0.34 83.50 9.14 83.50 1.92 1.96 0.92 1.96 -0.38 84.00 9.17 84.00 1.92 2.01 0.90 2.01 -0.43 84.50 9.19 84.50 1.93 2.06 0.88 2.06 -0.47 85.00 9.22 85.00 1.93 2.16 0.83 2.16 -0.51 85.50 9.25 85.50 1.93 2.26	1.52	1.00	1.52	0.05	79.50	8.92	79.50	1.90
1.67 1.00 1.67 -0.10 81.00 9.00 81.00 1.91 1.72 0.99 1.72 -0.15 81.50 9.03 81.50 1.91 1.77 0.98 1.77 -0.20 82.00 9.06 82.00 1.91 1.82 0.97 1.82 -0.24 82.50 9.08 82.50 1.92 1.87 0.96 1.87 -0.29 83.00 9.11 83.00 1.92 1.91 0.94 1.91 -0.34 83.50 9.14 83.50 1.92 1.96 0.92 1.96 -0.38 84.00 9.17 84.00 1.92 2.01 0.90 2.01 -0.43 84.50 9.19 84.50 1.93 2.06 0.88 2.06 -0.47 85.00 9.22 85.00 1.93 2.11 0.86 2.11 -0.51 85.50 9.25 85.50 1.93 2.21 0.80 <td< td=""><td>1.57</td><td>1.00</td><td>1.57</td><td>0.00</td><td>80.00</td><td>8.94</td><td>80.00</td><td>1.90</td></td<>	1.57	1.00	1.57	0.00	80.00	8.94	80.00	1.90
1.72 0.99 1.72 -0.15 81.50 9.03 81.50 1.91 1.77 0.98 1.77 -0.20 82.00 9.06 82.00 1.91 1.82 0.97 1.82 -0.24 82.50 9.08 82.50 1.92 1.87 0.96 1.87 -0.29 83.00 9.11 83.00 1.92 1.91 0.94 1.91 -0.34 83.50 9.14 83.50 1.92 1.96 0.92 1.96 -0.38 84.00 9.17 84.00 1.92 2.01 0.90 2.01 -0.43 84.50 9.19 84.50 1.93 2.06 0.83 2.06 -0.47 85.00 9.22 85.00 1.93 2.11 0.86 2.11 -0.51 85.50 9.25 85.50 1.93 2.21 0.80 2.21 -0.60 86.50 9.30 86.50 1.94 2.26 0.77 <td< td=""><td>1.62</td><td>1.00</td><td>1.62</td><td>-0.05</td><td>80.50</td><td>8.97</td><td>80.50</td><td>1.91</td></td<>	1.62	1.00	1.62	-0.05	80.50	8.97	80.50	1.91
1.77 0.98 1.77 -0.20 82.00 9.06 82.00 1.91 1.82 0.97 1.82 -0.24 82.50 9.08 82.50 1.92 1.87 0.96 1.87 -0.29 83.00 9.11 83.00 1.92 1.91 0.94 1.91 -0.34 83.50 9.14 83.50 1.92 1.96 0.92 1.96 -0.38 84.00 9.17 84.00 1.92 2.01 0.90 2.01 -0.43 84.50 9.19 84.50 1.93 2.06 0.88 2.06 -0.47 85.00 9.22 85.00 1.93 2.11 0.86 2.11 -0.51 85.50 9.25 85.50 1.93 2.16 0.83 2.16 -0.56 86.00 9.27 86.00 1.93 2.21 0.80 2.21 -0.60 86.50 9.30 86.50 1.94 2.31 0.74 <td< td=""><td>1.67</td><td>1.00</td><td>1.67</td><td>-0.10</td><td>81.00</td><td>9.00</td><td>81.00</td><td>1.91</td></td<>	1.67	1.00	1.67	-0.10	81.00	9.00	81.00	1.91
1.82 0.97 1.82 -0.24 82.50 9.08 82.50 1.92 1.87 0.96 1.87 -0.29 83.00 9.11 83.00 1.92 1.91 0.94 1.91 -0.34 83.50 9.14 83.50 1.92 1.96 0.92 1.96 -0.38 84.00 9.17 84.00 1.92 2.01 0.90 2.01 -0.43 84.50 9.19 84.50 1.93 2.06 0.88 2.06 -0.47 85.00 9.22 85.00 1.93 2.11 0.86 2.11 -0.51 85.50 9.25 85.50 1.93 2.16 0.83 2.16 -0.56 86.00 9.27 86.00 1.93 2.21 0.80 2.21 -0.60 86.50 9.30 86.50 1.94 2.26 0.77 2.26 -0.63 87.00 9.33 87.00 1.94 2.31 0.74 <td< td=""><td>1.72</td><td>0.99</td><td>1.72</td><td>-0.15</td><td>81.50</td><td>9.03</td><td>81.50</td><td>1.91</td></td<>	1.72	0.99	1.72	-0.15	81.50	9.03	81.50	1.91
1.87 0.96 1.87 -0.29 83.00 9.11 83.00 1.92 1.91 0.94 1.91 -0.34 83.50 9.14 83.50 1.92 1.96 0.92 1.96 -0.38 84.00 9.17 84.00 1.92 2.01 0.90 2.01 -0.43 84.50 9.19 84.50 1.93 2.06 0.88 2.06 -0.47 85.00 9.22 85.00 1.93 2.11 0.86 2.11 -0.51 85.50 9.25 85.50 1.93 2.16 0.83 2.16 -0.56 86.00 9.27 86.00 1.93 2.21 0.80 2.21 -0.60 86.50 9.30 86.50 1.94 2.26 0.77 2.26 -0.63 87.00 9.33 87.00 1.94 2.31 0.74 2.31 -0.67 87.50 9.35 87.50 1.94 2.36 0.71 <td< td=""><td>1.77</td><td>0.98</td><td>1.77</td><td>-0.20</td><td>82.00</td><td>9.06</td><td>82.00</td><td>1.91</td></td<>	1.77	0.98	1.77	-0.20	82.00	9.06	82.00	1.91
1.91 0.94 1.91 -0.34 83.50 9.14 83.50 1.92 1.96 0.92 1.96 -0.38 84.00 9.17 84.00 1.92 2.01 0.90 2.01 -0.43 84.50 9.19 84.50 1.93 2.06 0.88 2.06 -0.47 85.00 9.22 85.00 1.93 2.11 0.86 2.11 -0.51 85.50 9.25 85.50 1.93 2.16 0.83 2.16 -0.56 86.00 9.27 86.00 1.93 2.21 0.80 2.21 -0.60 86.50 9.30 86.50 1.94 2.26 0.77 2.26 -0.63 87.00 9.33 87.00 1.94 2.31 0.74 2.31 -0.67 87.50 9.35 87.50 1.94 2.36 0.71 2.36 -0.71 88.00 9.38 88.00 1.94 2.41 0.67 2.41 -0.74 88.50 9.41 88.50 1.95 2.45	1.82	0.97	1.82	-0.24	82.50	9.08	82.50	1.92
1.96 0.92 1.96 -0.38 84.00 9.17 84.00 1.92 2.01 0.90 2.01 -0.43 84.50 9.19 84.50 1.93 2.06 0.88 2.06 -0.47 85.00 9.22 85.00 1.93 2.11 0.86 2.11 -0.51 85.50 9.25 85.50 1.93 2.16 0.83 2.16 -0.56 86.00 9.27 86.00 1.93 2.21 0.80 2.21 -0.60 86.50 9.30 86.50 1.94 2.26 0.77 2.26 -0.63 87.00 9.33 87.00 1.94 2.31 0.74 2.31 -0.67 87.50 9.35 87.50 1.94 2.36 0.71 2.36 -0.71 88.00 9.38 88.00 1.94 2.41 0.67 2.41 -0.74 88.50 9.41 88.50 1.95 2.45 0.63 2.45 -0.77 89.00 9.43 89.00 1.95	1.87	0.96	1.87	-0.29	83.00	9.11	83.00	1.92
2.01 0.90 2.01 -0.43 84.50 9.19 84.50 1.93 2.06 0.88 2.06 -0.47 85.00 9.22 85.00 1.93 2.11 0.86 2.11 -0.51 85.50 9.25 85.50 1.93 2.16 0.83 2.16 -0.56 86.00 9.27 86.00 1.93 2.21 0.80 2.21 -0.60 86.50 9.30 86.50 1.94 2.26 0.77 2.26 -0.63 87.00 9.33 87.00 1.94 2.31 0.74 2.31 -0.67 87.50 9.35 87.50 1.94 2.36 0.71 2.36 -0.71 88.00 9.38 88.00 1.94 2.41 0.67 2.41 -0.74 88.50 9.41 88.50 1.95 2.45 0.63 2.45 -0.77 89.00 9.43 89.00 1.95	1.91	0.94	1.91	-0.34	83.50	9.14	83.50	1.92
2.06 0.88 2.06 -0.47 85.00 9.22 85.00 1.93 2.11 0.86 2.11 -0.51 85.50 9.25 85.50 1.93 2.16 0.83 2.16 -0.56 86.00 9.27 86.00 1.93 2.21 0.80 2.21 -0.60 86.50 9.30 86.50 1.94 2.26 0.77 2.26 -0.63 87.00 9.33 87.00 1.94 2.31 0.74 2.31 -0.67 87.50 9.35 87.50 1.94 2.36 0.71 2.36 -0.71 88.00 9.38 88.00 1.94 2.41 0.67 2.41 -0.74 88.50 9.41 88.50 1.95 2.45 0.63 2.45 -0.77 89.00 9.43 89.00 1.95	1.96	0.92	1.96	-0.38	84.00	9.17	84.00	1.92
2.11 0.86 2.11 -0.51 85.50 9.25 85.50 1.93 2.16 0.83 2.16 -0.56 86.00 9.27 86.00 1.93 2.21 0.80 2.21 -0.60 86.50 9.30 86.50 1.94 2.26 0.77 2.26 -0.63 87.00 9.33 87.00 1.94 2.31 0.74 2.31 -0.67 87.50 9.35 87.50 1.94 2.36 0.71 2.36 -0.71 88.00 9.38 88.00 1.94 2.41 0.67 2.41 -0.74 88.50 9.41 88.50 1.95 2.45 0.63 2.45 -0.77 89.00 9.43 89.00 1.95	2.01	0.90	2.01	-0.43	84.50	9.19	84.50	1.93
2.16 0.83 2.16 -0.56 86.00 9.27 86.00 1.93 2.21 0.80 2.21 -0.60 86.50 9.30 86.50 1.94 2.26 0.77 2.26 -0.63 87.00 9.33 87.00 1.94 2.31 0.74 2.31 -0.67 87.50 9.35 87.50 1.94 2.36 0.71 2.36 -0.71 88.00 9.38 88.00 1.94 2.41 0.67 2.41 -0.74 88.50 9.41 88.50 1.95 2.45 0.63 2.45 -0.77 89.00 9.43 89.00 1.95	2.06	0.88	2.06	-0.47	85.00	9.22	85.00	1.93
2.21 0.80 2.21 -0.60 86.50 9.30 86.50 1.94 2.26 0.77 2.26 -0.63 87.00 9.33 87.00 1.94 2.31 0.74 2.31 -0.67 87.50 9.35 87.50 1.94 2.36 0.71 2.36 -0.71 88.00 9.38 88.00 1.94 2.41 0.67 2.41 -0.74 88.50 9.41 88.50 1.95 2.45 0.63 2.45 -0.77 89.00 9.43 89.00 1.95	2.11	0.86	2.11	-0.51	85.50	9.25	85.50	1.93
2.26 0.77 2.26 -0.63 87.00 9.33 87.00 1.94 2.31 0.74 2.31 -0.67 87.50 9.35 87.50 1.94 2.36 0.71 2.36 -0.71 88.00 9.38 88.00 1.94 2.41 0.67 2.41 -0.74 88.50 9.41 88.50 1.95 2.45 0.63 2.45 -0.77 89.00 9.43 89.00 1.95	2.16	0.83	2.16	-0.56	86.00	9.27	86.00	1.93
2.31 0.74 2.31 -0.67 87.50 9.35 87.50 1.94 2.36 0.71 2.36 -0.71 88.00 9.38 88.00 1.94 2.41 0.67 2.41 -0.74 88.50 9.41 88.50 1.95 2.45 0.63 2.45 -0.77 89.00 9.43 89.00 1.95	2.21	0.80	2.21	-0.60	86.50	9.30	86.50	1.94
2.36 0.71 2.36 -0.71 88.00 9.38 88.00 1.94 2.41 0.67 2.41 -0.74 88.50 9.41 88.50 1.95 2.45 0.63 2.45 -0.77 89.00 9.43 89.00 1.95	2.26	0.77	2.26	-0.63	87.00	9.33	87.00	1.94
2.41 0.67 2.41 -0.74 88.50 9.41 88.50 1.95 2.45 0.63 2.45 -0.77 89.00 9.43 89.00 1.95	2.31	0.74	2.31	-0.67	87.50	9.35	87.50	1.94
2.45 0.63 2.45 -0.77 89.00 9.43 89.00 1.95	2.36	0.71	2.36	-0.71	88.00	9.38	88.00	1.94
	2.41	0.67	2.41	-0.74	88.50	9.41	88.50	1.95
2.50 0.60 2.50 -0.80 89.50 9.46 89.50 1.95	2.45	0.63	2.45	-0.77	89.00	9.43	89.00	1.95
	2.50	0.60	2.50	-0.80	89.50	9.46	89.50	1.95

x	sin(x)	x	cos(x)	x	sqrt(x)	x	log10(x)
2.55	0.56	2.55	-0.83	90.00	9.49	90.00	1.95
2.60	0.51	2.60	-0.86	90.50	9.51	90.50	1.96
2.65	0.47	2.65	-0.88	91.00	9.54	91.00	1.96
2.70	0.43	2.70	-0.90	91.50	9.57	91.50	1.96
2.75	0.38	2.75	-0.92	92.00	9.59	92.00	1.96
2.80	0.34	2.80	-0.94	92.50	9.62	92.50	1.97
2.85	0.29	2.85	-0.96	93.00	9.64	93.00	1.97
2.90	0.24	2.90	-0.97	93.50	9.67	93.50	1.97
2.95	0.20	2.95	-0.98	94.00	9.70	94.00	1.97
2.99	0.15	2.99	-0.99	94.50	9.72	94.50	1.98
3.04	0.10	3.04	-1.00	95.00	9.75	95.00	1.98
3.09	0.05	3.09	-1.00	95.50	9.77	95.50	1.98
3.14	0.00	3.14	-1.00	96.00	9.80	96.00	1.98
3.19	-0.05	3.19	-1.00	96.50	9.82	96.50	1.98
3.24	-0.10	3.24	-1.00	97.00	9.85	97.00	1.99
3.29	-0.15	3.29	-0.99	97.50	9.87	97.50	1.99
3.34	-0.20	3.34	-0.98	98.00	9.90	98.00	1.99
3.39	-0.24	3.39	-0.97	98.50	9.92	98.50	1.99
3.44	-0.29	3.44	-0.96	99.00	9.95	99.00	2.00
3.49	-0.34	3.49	-0.94	99.50	9.97	99.50	2.00
3.53	-0.38	3.53	-0.92	100.00	10.00	100.00	2.00
3.58	-0.43	3.58	-0.90	100.50	10.02	100.50	2.00
3.63	-0.47	3.63	-0.88	101.00	10.05	101.00	2.00
3.68	-0.51	3.68	-0.86	101.50	10.07	101.50	2.01
3.73	-0.56	3.73	-0.83	102.00	10.10	102.00	2.01
3.78	-0.60	3.78	-0.80	102.50	10.12	102.50	2.01
3.83	-0.63	3.83	-0.77	103.00	10.15	103.00	2.01
3.88	-0.67	3.88	-0.74	103.50	10.17	103.50	2.01
3.93	-0.71	3.93	-0.71	104.00	10.20	104.00	2.02
3.98	-0.74	3.98	-0.67	104.50	10.22	104.50	2.02
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x	sin(x)	x	cos(x)	x	sqrt(x)	x	log10(x)
4.03	-0.77	4.03	-0.63	105.00	10.25	105.00	2.02
4.07	-0.80	4.07	-0.60	105.50	10.27	105.50	2.02
4.12	-0.83	4.12	-0.56	106.00	10.30	106.00	2.03
4.17	-0.86	4.17	-0.51	106.50	10.32	106.50	2.03
4.22	-0.88	4.22	-0.47	107.00	10.34	107.00	2.03
4.27	-0.90	4.27	-0.43	107.50	10.37	107.50	2.03
4.32	-0.92	4.32	-0.38	108.00	10.39	108.00	2.03
4.37	-0.94	4.37	-0.34	108.50	10.42	108.50	2.04
4.42	-0.96	4.42	-0.29	109.00	10.44	109.00	2.04
4.47	-0.97	4.47	-0.24	109.50	10.46	109.50	2.04
4.52	-0.98	4.52	-0.20	110.00	10.49	110.00	2.04
4.57	-0.99	4.57	-0.15	110.50	10.51	110.50	2.04
4.61	-1.00	4.61	-0.10	111.00	10.54	111.00	2.05
4.66	-1.00	4.66	-0.05	111.50	10.56	111.50	2.05
4.71	-1.00	4.71	0.00	112.00	10.58	112.00	2.05
4.76	-1.00	4.76	0.05	112.50	10.61	112.50	2.05
4.81	-1.00	4.81	0.10	113.00	10.63	113.00	2.05
4.86	-0.99	4.86	0.15	113.50	10.65	113.50	2.05
4.91	-0.98	4.91	0.20	114.00	10.68	114.00	2.06
4.96	-0.97	4.96	0.24	114.50	10.70	114.50	2.06
5.01	-0.96	5.01	0.29	115.00	10.72	115.00	2.06
5.06	-0.94	5.06	0.34	115.50	10.75	115.50	2.06
5.11	-0.92	5.11	0.38	116.00	10.77	116.00	2.06
5.15	-0.90	5.15	0.43	116.50	10.79	116.50	2.07
5.20	-0.88	5.20	0.47	117.00	10.82	117.00	2.07
5.25	-0.86	5.25	0.51	117.50	10.84	117.50	2.07
5.30	-0.83	5.30	0.56	118.00	10.86	118.00	2.07
5.35	-0.80	5.35	0.60	118.50	10.89	118.50	2.07
5.40	-0.77	5.40	0.63	119.00	10.91	119.00	2.08
5.45	-0.74	5.45	0.67	119.50	10.93	119.50	2.08

			cos(x)	X	sqrt(x)	X	log10(x)
5.50	-0.71	5.50	0.71	120.00	10.95	120.00	2.08
5.55	-0.67	5.55	0.74	120.50	10.98	120.50	2.08
5.60	-0.63	5.60	0.77	121.00	11.00	121.00	2.08
5.65	-0.60	5.65	0.80	121.50	11.02	121.50	2.08
5.69	-0.56	5.69	0.83	122.00	11.05	122.00	2.09
5.74	-0.51	5.74	0.86	122.50	11.07	122.50	2.09
5.79	-0.47	5.79	0.88	123.00	11.09	123.00	2.09
5.84	-0.43	5.84	0.90	123.50	11.11	123.50	2.09
5.89	-0.38	5.89	0.92	124.00	11.14	124.00	2.09
5.94	-0.34	5.94	0.94	124.50	11.16	124.50	2.10
5.99	-0.29	5.99	0.96	125.00	11.18	125.00	2.10
6.04	-0.24	6.04	0.97	125.50	11.20	125.50	2.10
6.09	-0.20	6.09	0.98	126.00	11.22	126.00	2.10
6.14	-0.15	6.14	0.99	126.50	11.25	126.50	2.10
6.19	-0.10	6.19	1.00	127.00	11.27	127.00	2.10
6.23	-0.05	6.23	1.00	127.50	11.29	127.50	2.11
6.28	0.00	6.28	1.00	128.00	11.31	128.00	2.11
				128.50	11.34	128.50	2.11
				129.00	11.36	129.00	2.11
				129.50	11.38	129.50	2.11
				130.00	11.40	130.00	2.11
				130.50	11.42	130.50	2.12
				131.00	11.45	131.00	2.12
				131.50	11.47	131.50	2.12
				132.00	11.49	132.00	2.12
				132.50	11.51	132.50	2.12
				133.00	11.53	133.00	2.12
				133.50	11.55	133.50	2.13
				134.00	11.58	134.00	2.13
				134.50	11.60	134.50	2.13

135.00 11.62 135.00 2.13 135.50 11.64 135.50 2.13 136.00 11.66 136.00 2.13 136.50 11.68 136.50 2.14 137.00 11.70 137.00 2.14 137.50 11.73 137.50 2.14 138.00 11.75 138.00 2.14 138.50 11.77 138.50 2.14 139.00 11.79 139.00 2.14 139.50 11.81 139.50 2.14 140.00 11.83 140.00 2.15 140.50 11.83 140.00 2.15 140.50 11.85 140.50 2.15 141.50 11.90 141.50 2.15 142.50 11.92 142.00 2.15 142.50 11.92 142.00 2.15 143.50 11.98 143.50 2.16 144.50 12.00 144.00 2.16 145.50 12.04 145.50 2.16 145.50 12.06	х	sin(x)	x	cos(x)	x	sqrt(x)	x	log10(x)
136.00 11.66 136.00 2.13 136.50 11.68 136.50 2.14 137.00 11.70 137.00 2.14 137.50 11.73 137.50 2.14 138.00 11.75 138.00 2.14 138.50 11.77 138.50 2.14 139.00 11.79 139.00 2.14 139.50 11.81 139.50 2.14 140.00 11.83 140.00 2.15 140.50 11.85 140.50 2.15 141.00 11.87 141.00 2.15 141.50 11.90 141.50 2.15 142.00 11.92 142.00 2.15 142.50 11.92 142.00 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.50 12.02 144.50 2.16 145.50 12.04 145.00 2.16 145.50 12.06 145.50 2.17 147.50 12.17					135.00	11.62	135.00	2.13
136.50 11.68 136.50 2.14 137.00 11.70 137.00 2.14 137.50 11.73 137.50 2.14 138.00 11.75 138.00 2.14 138.50 11.77 138.50 2.14 139.00 11.79 139.00 2.14 139.50 11.81 139.50 2.14 140.00 11.83 140.00 2.15 140.50 11.85 140.50 2.15 141.00 11.87 141.00 2.15 142.00 11.92 142.00 2.15 142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.50 12.06 145.50 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 148.00 12.17					135.50	11.64	135.50	2.13
137.00 11.70 137.00 2.14 137.50 11.73 137.50 2.14 138.00 11.75 138.00 2.14 138.50 11.77 138.50 2.14 139.00 11.79 139.00 2.14 139.50 11.81 139.50 2.14 140.00 11.83 140.00 2.15 140.50 11.85 140.50 2.15 141.00 11.87 141.00 2.15 142.00 11.90 141.50 2.15 142.00 11.92 142.00 2.15 142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 144.50 11.98 143.50 2.16 144.50 12.02 144.50 2.16 145.00 12.04 145.00 2.16 146.50 12.04 145.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 147.50 12.14					136.00	11.66	136.00	2.13
137.50 11.73 137.50 2.14 138.00 11.75 138.00 2.14 138.50 11.77 138.50 2.14 139.00 11.79 139.00 2.14 139.50 11.81 139.50 2.14 140.00 11.83 140.00 2.15 140.50 11.85 140.50 2.15 141.00 11.87 141.00 2.15 142.00 11.90 141.50 2.15 142.00 11.92 142.00 2.15 142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 145.00 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 148.50 12.17 148.00 2.17 148.50 12.19					136.50	11.68	136.50	2.14
138.00 11.75 138.00 2.14 138.50 11.77 138.50 2.14 139.00 11.79 139.00 2.14 139.50 11.81 139.50 2.14 140.00 11.83 140.00 2.15 140.50 11.85 140.50 2.15 141.00 11.87 141.00 2.15 142.00 11.92 142.00 2.15 142.00 11.92 142.00 2.15 142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 145.00 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.50 12.14 147.50 2.17 148.00 12.17 148.00 2.17 148.50 12.19					137.00	11.70	137.00	2.14
138.50 11.77 138.50 2.14 139.00 11.79 139.00 2.14 139.50 11.81 139.50 2.14 140.00 11.83 140.00 2.15 140.50 11.85 140.50 2.15 141.00 11.87 141.00 2.15 141.50 11.90 141.50 2.15 142.00 11.92 142.00 2.15 142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.50 12.04 145.00 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21					137.50	11.73	137.50	2.14
139.00 11.79 139.00 2.14 139.50 11.81 139.50 2.14 140.00 11.83 140.00 2.15 140.50 11.85 140.50 2.15 141.00 11.87 141.00 2.15 141.50 11.90 141.50 2.15 142.00 11.92 142.00 2.15 142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.50 12.04 145.00 2.16 146.00 12.04 145.00 2.16 146.50 12.06 145.50 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21					138.00	11.75	138.00	2.14
139.50 11.81 139.50 2.14 140.00 11.83 140.00 2.15 140.50 11.85 140.50 2.15 141.00 11.87 141.00 2.15 141.50 11.90 141.50 2.15 142.00 11.92 142.00 2.15 142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.50 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.50 12.14 147.50 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					138.50	11.77	138.50	2.14
140.00 11.83 140.00 2.15 140.50 11.85 140.50 2.15 141.00 11.87 141.00 2.15 141.50 11.90 141.50 2.15 142.00 11.92 142.00 2.15 142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.50 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.50 12.12 147.00 2.17 148.00 12.14 147.50 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					139.00	11.79	139.00	2.14
140.50 11.85 140.50 2.15 141.00 11.87 141.00 2.15 141.50 11.90 141.50 2.15 142.00 11.92 142.00 2.15 142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.00 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.50 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 147.50 12.14 147.50 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					139.50	11.81	139.50	2.14
141.00 11.87 141.00 2.15 141.50 11.90 141.50 2.15 142.00 11.92 142.00 2.15 142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.00 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					140.00	11.83	140.00	2.15
141.50 11.90 141.50 2.15 142.00 11.92 142.00 2.15 142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.00 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					140.50	11.85	140.50	2.15
142.00 11.92 142.00 2.15 142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.00 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 148.00 12.14 147.50 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					141.00	11.87	141.00	2.15
142.50 11.94 142.50 2.15 143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.00 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					141.50	11.90	141.50	2.15
143.00 11.96 143.00 2.16 143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.00 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					142.00	11.92	142.00	2.15
143.50 11.98 143.50 2.16 144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.00 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 148.00 12.14 147.50 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					142.50	11.94	142.50	2.15
144.00 12.00 144.00 2.16 144.50 12.02 144.50 2.16 145.00 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					143.00	11.96	143.00	2.16
144.50 12.02 144.50 2.16 145.00 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 147.50 12.14 147.50 2.17 148.00 12.17 148.00 2.17 149.00 12.21 149.00 2.17					143.50	11.98	143.50	2.16
145.00 12.04 145.00 2.16 145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 147.50 12.14 147.50 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					144.00	12.00	144.00	2.16
145.50 12.06 145.50 2.16 146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 147.50 12.14 147.50 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					144.50	12.02	144.50	2.16
146.00 12.08 146.00 2.16 146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 147.50 12.14 147.50 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					145.00	12.04	145.00	2.16
146.50 12.10 146.50 2.17 147.00 12.12 147.00 2.17 147.50 12.14 147.50 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					145.50	12.06	145.50	2.16
147.00 12.12 147.00 2.17 147.50 12.14 147.50 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					146.00	12.08	146.00	2.16
147.50 12.14 147.50 2.17 148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					146.50	12.10	146.50	2.17
148.00 12.17 148.00 2.17 148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					147.00	12.12	147.00	2.17
148.50 12.19 148.50 2.17 149.00 12.21 149.00 2.17					147.50	12.14	147.50	2.17
149.00 12.21 149.00 2.17					148.00	12.17	148.00	2.17
					148.50	12.19	148.50	2.17
149.50 12.23 149.50 2.17					149.00	12.21	149.00	2.17
					149.50	12.23	149.50	2.17

150.00 12.25 150.00 2.18 150.50 12.27 150.50 2.18 151.00 12.29 151.00 2.18 151.50 12.31 151.50 2.18 152.00 12.33 152.00 2.18 152.50 12.35 152.50 2.18 153.00 12.37 153.00 2.18 153.50 12.39 153.50 2.19 154.00 12.41 154.00 2.19 154.00 12.41 154.00 2.19 155.00 12.43 154.50 2.19 155.00 12.45 155.00 2.19 156.50 12.47 156.50 2.19 156.00 12.49 156.00 2.19 156.00 12.49 156.00 2.19 157.00 12.53 157.00 2.20 157.50 12.55 157.50 2.20 158.00 12.57 158.00 2.20 159.00 12.61 159.00 2.20 159.50 12.63	х	sin(x)	x	cos(x)	x	sqrt(x)	x	log10(x)
151.00 12.29 151.00 2.18 151.50 12.31 151.50 2.18 152.00 12.33 152.00 2.18 152.50 12.35 152.50 2.18 153.00 12.37 153.00 2.18 153.50 12.39 153.50 2.19 154.00 12.41 154.00 2.19 154.50 12.43 154.50 2.19 155.00 12.43 154.50 2.19 155.00 12.45 155.00 2.19 156.50 12.47 156.50 2.19 156.50 12.49 156.00 2.19 156.50 12.51 156.50 2.19 157.00 12.53 157.00 2.20 157.50 12.51 156.50 2.19 157.50 12.51 156.50 2.19 157.50 12.53 157.00 2.20 158.00 12.57 158.00 2.20 158.50 12.57 158.00 2.20 159.50 12.63					150.00	12.25	150.00	2.18
151.50 12.31 151.50 2.18 152.00 12.33 152.00 2.18 152.50 12.35 152.50 2.18 153.00 12.37 153.00 2.18 153.50 12.39 153.50 2.19 154.00 12.41 154.00 2.19 154.50 12.43 154.50 2.19 155.00 12.45 155.00 2.19 155.50 12.47 155.50 2.19 156.00 12.49 156.00 2.19 156.50 12.51 156.50 2.19 157.00 12.53 157.00 2.20 157.50 12.51 156.50 2.19 157.50 12.53 157.00 2.20 158.50 12.53 157.50 2.20 158.50 12.55 157.50 2.20 158.50 12.57 158.00 2.20 159.50 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.50 12.67					150.50	12.27	150.50	2.18
152.00 12.33 152.00 2.18 152.50 12.35 152.50 2.18 153.00 12.37 153.00 2.18 153.50 12.39 153.50 2.19 154.00 12.41 154.00 2.19 154.50 12.43 154.50 2.19 155.00 12.45 155.00 2.19 155.50 12.47 155.50 2.19 156.50 12.49 156.00 2.19 156.50 12.51 156.50 2.19 156.50 12.51 156.50 2.19 157.00 12.53 157.00 2.20 157.50 12.53 157.00 2.20 158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.50 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.50 12.71					151.00	12.29	151.00	2.18
152.50 12.35 152.50 2.18 153.00 12.37 153.00 2.18 153.50 12.39 153.50 2.19 154.00 12.41 154.00 2.19 154.50 12.43 154.50 2.19 155.00 12.45 155.00 2.19 155.50 12.47 155.50 2.19 156.00 12.49 156.00 2.19 156.50 12.51 156.50 2.19 157.00 12.53 157.00 2.20 157.50 12.53 157.00 2.20 158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.00 12.69 161.00 2.21 162.50 12.71 161.50 2.21 162.50 12.75					151.50	12.31	151.50	2.18
153.00 12.37 153.00 2.18 153.50 12.39 153.50 2.19 154.00 12.41 154.00 2.19 154.50 12.43 154.50 2.19 155.00 12.45 155.00 2.19 155.50 12.47 155.50 2.19 156.00 12.49 156.00 2.19 156.50 12.51 156.50 2.19 157.00 12.53 157.00 2.20 157.50 12.53 157.00 2.20 158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.50 12.71 161.50 2.21 162.00 12.73 162.00 2.21 162.50 12.75 162.50 2.21 163.50 12.79					152.00	12.33	152.00	2.18
153.50 12.39 153.50 2.19 154.00 12.41 154.00 2.19 154.50 12.43 154.50 2.19 155.00 12.45 155.00 2.19 155.50 12.47 155.50 2.19 156.00 12.49 156.00 2.19 156.50 12.51 156.50 2.19 157.00 12.53 157.00 2.20 157.50 12.53 157.00 2.20 158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.50 12.71 161.50 2.21 162.50 12.71 161.50 2.21 162.50 12.75 163.50 2.21 163.50 12.77 163.00 2.21 163.50 12.79					152.50	12.35	152.50	2.18
154.00 12.41 154.00 2.19 154.50 12.43 154.50 2.19 155.00 12.45 155.00 2.19 155.50 12.47 155.50 2.19 156.00 12.49 156.00 2.19 156.50 12.51 156.50 2.19 157.00 12.53 157.00 2.20 157.50 12.53 157.50 2.20 158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.63 159.50 2.20 160.50 12.67 160.50 2.21 161.50 12.67 160.50 2.21 161.50 12.71 161.50 2.21 162.50 12.73 162.00 2.21 162.50 12.75 163.00 2.21 163.00 12.77 163.00 2.21 163.50 12.79					153.00	12.37	153.00	2.18
154.50 12.43 154.50 2.19 155.00 12.45 155.00 2.19 155.50 12.47 155.50 2.19 156.00 12.49 156.00 2.19 156.50 12.51 156.50 2.19 157.00 12.53 157.00 2.20 157.50 12.55 157.50 2.20 158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.63 159.50 2.20 160.50 12.63 159.50 2.20 160.50 12.63 159.50 2.20 160.00 12.65 160.00 2.21 161.50 12.67 160.50 2.21 161.50 12.71 161.50 2.21 162.00 12.73 162.00 2.21 162.50 12.75 162.50 2.21 163.50 12.79					153.50	12.39	153.50	2.19
155.00 12.45 155.00 2.19 155.50 12.47 155.50 2.19 156.00 12.49 156.00 2.19 156.50 12.51 156.50 2.19 157.00 12.53 157.00 2.20 157.50 12.55 157.50 2.20 158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.00 12.69 161.00 2.21 162.00 12.73 162.00 2.21 162.50 12.75 162.50 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					154.00	12.41	154.00	2.19
155.50 12.47 155.50 2.19 156.00 12.49 156.00 2.19 156.50 12.51 156.50 2.19 157.00 12.53 157.00 2.20 157.50 12.55 157.50 2.20 158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.50 12.71 161.50 2.21 162.00 12.73 162.00 2.21 162.50 12.75 162.50 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					154.50	12.43	154.50	2.19
156.00 12.49 156.00 2.19 156.50 12.51 156.50 2.19 157.00 12.53 157.00 2.20 157.50 12.55 157.50 2.20 158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.50 12.71 161.50 2.21 162.00 12.73 162.00 2.21 162.50 12.75 162.50 2.21 163.50 12.77 163.00 2.21 164.00 12.81 164.00 2.21					155.00	12.45	155.00	2.19
156.50 12.51 156.50 2.19 157.00 12.53 157.00 2.20 157.50 12.55 157.50 2.20 158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.00 12.69 161.00 2.21 162.00 12.71 161.50 2.21 162.00 12.73 162.00 2.21 163.00 12.75 162.50 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					155.50	12.47	155.50	2.19
157.00 12.53 157.00 2.20 157.50 12.55 157.50 2.20 158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.00 12.69 161.00 2.21 162.00 12.71 161.50 2.21 162.50 12.73 162.00 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					156.00	12.49	156.00	2.19
157.50 12.55 157.50 2.20 158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.00 12.69 161.00 2.21 162.50 12.71 161.50 2.21 162.50 12.73 162.00 2.21 163.00 12.75 163.50 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					156.50	12.51	156.50	2.19
158.00 12.57 158.00 2.20 158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.00 12.69 161.00 2.21 162.50 12.71 161.50 2.21 162.50 12.73 162.00 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					157.00	12.53	157.00	2.20
158.50 12.59 158.50 2.20 159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.00 12.69 161.00 2.21 162.00 12.71 161.50 2.21 162.50 12.73 162.00 2.21 163.00 12.75 162.50 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					157.50	12.55	157.50	2.20
159.00 12.61 159.00 2.20 159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.00 12.69 161.00 2.21 161.50 12.71 161.50 2.21 162.00 12.73 162.00 2.21 162.50 12.75 162.50 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					158.00	12.57	158.00	2.20
159.50 12.63 159.50 2.20 160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.00 12.69 161.00 2.21 161.50 12.71 161.50 2.21 162.00 12.73 162.00 2.21 162.50 12.75 162.50 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					158.50	12.59	158.50	2.20
160.00 12.65 160.00 2.20 160.50 12.67 160.50 2.21 161.00 12.69 161.00 2.21 161.50 12.71 161.50 2.21 162.00 12.73 162.00 2.21 162.50 12.75 162.50 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					159.00	12.61	159.00	2.20
160.50 12.67 160.50 2.21 161.00 12.69 161.00 2.21 161.50 12.71 161.50 2.21 162.00 12.73 162.00 2.21 162.50 12.75 162.50 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					159.50	12.63	159.50	2.20
161.00 12.69 161.00 2.21 161.50 12.71 161.50 2.21 162.00 12.73 162.00 2.21 162.50 12.75 162.50 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					160.00	12.65	160.00	2.20
161.50 12.71 161.50 2.21 162.00 12.73 162.00 2.21 162.50 12.75 162.50 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					160.50	12.67	160.50	2.21
162.00 12.73 162.00 2.21 162.50 12.75 162.50 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					161.00	12.69	161.00	2.21
162.50 12.75 162.50 2.21 163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					161.50	12.71	161.50	2.21
163.00 12.77 163.00 2.21 163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					162.00	12.73	162.00	2.21
163.50 12.79 163.50 2.21 164.00 12.81 164.00 2.21					162.50	12.75	162.50	2.21
164.00 12.81 164.00 2.21					163.00	12.77	163.00	2.21
					163.50	12.79	163.50	2.21
164.50 12.83 164.50 2.22					164.00	12.81	164.00	2.21
					164.50	12.83	164.50	2.22

		165.00	12.85	165.00	2.22
					
		165.50	12.86	165.50	2.22
		166.00	12.88	166.00	2.22
		166.50	12.90	166.50	2.22
		167.00	12.92	167.00	2.22
		167.50	12.94	167.50	2.22
		168.00	12.96	168.00	2.23
		168.50	12.98	168.50	2.23
		169.00	13.00	169.00	2.23
		169.50	13.02	169.50	2.23
		170.00	13.04	170.00	2.23
		170.50	13.06	170.50	2.23
		171.00	13.08	171.00	2.23
		171.50	13.10	171.50	2.23
		172.00	13.11	172.00	2.24
		172.50	13.13	172.50	2.24
		173.00	13.15	173.00	2.24
		173.50	13.17	173.50	2.24
		174.00	13.19	174.00	2.24
		174.50	13.21	174.50	2.24
		175.00	13.23	175.00	2.24
		175.50	13.25	175.50	2.24
		176.00	13.27	176.00	2.25
		176.50	13.29	176.50	2.25
		177.00	13.30	177.00	2.25
		177.50	13.32	177.50	2.25
		178.00	13.34	178.00	2.25
		178.50	13.36	178.50	2.25
		179.00	13.38	179.00	2.25
		179.50	13.40	179.50	2.25

sin(x)	Х	cos(x)	Х	sqrt(x)	X	log10(x)
			180.00	13.42	180.00	2.26
			180.50	13.44	180.50	2.26
			181.00	13.45	181.00	2.26
			181.50	13.47	181.50	2.26
			182.00	13.49	182.00	2.26
			182.50	13.51	182.50	2.26
			183.00	13.53	183.00	2.26
			183.50	13.55	183.50	2.26
			184.00	13.56	184.00	2.26
			184.50	13.58	184.50	2.27
			185.00	13.60	185.00	2.27
			185.50	13.62	185.50	2.27
			186.00	13.64	186.00	2.27
			186.50	13.66	186.50	2.27
			187.00	13.67	187.00	2.27
			187.50	13.69	187.50	2.27
			188.00	13.71	188.00	2.27
			188.50	13.73	188.50	2.28
			189.00	13.75	189.00	2.28
			189.50	13.77	189.50	2.28
			190.00	13.78	190.00	2.28
			190.50	13.80	190.50	2.28
			191.00	13.82	191.00	2.28
			191.50	13.84	191.50	2.28
			192.00	13.86	192.00	2.28
			192.50	13.87	192.50	2.28
			193.00	13.89	193.00	2.29
			193.50	13.91	193.50	2.29
			194.00	13.93	194.00	2.29
			194.50	13.95	194.50	2.29

X	sin(x)	X	cos(x)	x	sqrt(x)	x	log10(x)
				195.00	13.96	195.00	2.29
				195.50	13.98	195.50	2.29
				196.00	14.00	196.00	2.29
				196.50	14.02	196.50	2.29
				197.00	14.04	197.00	2.29
				197.50	14.05	197.50	2.30
				198.00	14.07	198.00	2.30
				198.50	14.09	198.50	2.30
				199.00	14.11	199.00	2.30
				199.50	14.12	199.50	2.30
				200.00	14.14	200.00	2.30