| Test Case | Input | Expected Output | Actual Output | Pass? |
|---|---|---|---|---|
| 1a | 1 | 3 random digits | 6 0 7 | Yes |
| 1b | 1 | 3 random digits | 0 1 3 | Yes |
| 1c | 2 | 4 random digits | 4 3 6 8 | Yes |
| 1d | 2 | 4 random digits | 6 3 7 4 | Yes |
| 1e | # | Error | Error | Should be handled by exceptions for the future |
| 1f | 95 | Since not 3 keep looping | Since not 3 keep looping | Yes |
| 1g | 3 | Exit program | Exit program | Yes |

```
**** 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
You selected 1. The following 3-digit lottery number was generated:
6 0 7
Select from the following menu:
1. Generate 3-Digit Lottery number
2. Generate 4-Digit Lottery number
3. Exit the Application
```

Figure 1. Test Case 1a Execution results

```
**** 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
You selected 1. The following 3-digit lottery number was generated:
0 1 3
Select from the following menu:
1. Generate 3-Digit Lottery number
2. Generate 4-Digit Lottery number
3. Exit the Application
```

Figure 2. Test Case 1b Execution results

```
**** 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
2
You selected 2. The following 4-digit lottery number was generated:
4 3 6 8
Select from the following menu:
1. Generate 3-Digit Lottery number
2. Generate 4-Digit Lottery number
3. Exit the Application
```

Figure 3. Test Case 1c Execution results

```
**** 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
2
You selected 2. The following 4-digit lottery number was generated:
6 3 7 4
Select from the following menu:
1. Generate 3-Digit Lottery number
2. Generate 4-Digit Lottery number
3. Exit the Application
```

Figure 4. Test Case 1d Execution results

```
Select from the following menu:
1. Generate 3-Digit Lottery number
2. Generate 4-Digit Lottery number
3. Exit the Application
#
Traceback (most recent call last):
  File "/home/ec2-user/environment/Lab2/Lottery.py", line 22, in <module>
    feedback=int(input(""))
ValueError: invalid literal for int() with base 10: '#'


Process exited with code: 0
```

Figure 5. Test Case 1e Execution results

```
**** 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
95
Select from the following menu:
1. Generate 3-Digit Lottery number
2. Generate 4-Digit Lottery number
3. Exit the Application
```

Figure 6. Test Case 1f Execution results

```
**** 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
3
You selected 3.
Thanks for trying the Lottery Application.
**************************************************************


Process exited with code: 0
```

Figure 7. Test Case 1g Execution results

**sin(x)**

| X | f(x) |
|---|---|
| -6.2831853 | 2.45E-16 |
| -6.2340979 | 0.04906767 |
| -6.1850105 | 0.09801714 |
| -6.1359232 | 0.14673047 |
| -6.0868358 | 0.19509032 |
| -6.0377484 | 0.24298018 |
| -5.988661 | 0.29028468 |
| -5.9395736 | 0.33688985 |
| -5.8904862 | 0.38268343 |
| -5.8413988 | 0.42755509 |
| -5.7923115 | 0.47139674 |
| -5.7432241 | 0.51410274 |
| -5.6941367 | 0.55557023 |
| -5.6450493 | 0.5956993 |
| -5.5959619 | 0.63439328 |
| -5.5468745 | 0.67155895 |
| -5.4977871 | 0.70710678 |
| -5.4486998 | 0.74095113 |
| -5.3996124 | 0.77301045 |
| -5.350525 | 0.80320753 |
| -5.3014376 | 0.83146961 |
| -5.2523502 | 0.85772861 |
| -5.2032628 | 0.88192126 |
| -5.1541754 | 0.90398929 |

| | |
|---|---|
| -5.1050881 | 0.92387953 |
| -5.0560007 | 0.94154407 |
| -5.0069133 | 0.95694034 |
| -4.9578259 | 0.97003125 |
| -4.9087385 | 0.98078528 |
| -4.8596511 | 0.98917651 |
| -4.8105638 | 0.99518473 |
| -4.7614764 | 0.99879546 |
| -4.712389 | 1 |
| -4.6633016 | 0.99879546 |
| -4.6142142 | 0.99518473 |
| -4.5651268 | 0.98917651 |
| -4.5160394 | 0.98078528 |
| -4.4669521 | 0.97003125 |
| -4.4178647 | 0.95694034 |
| -4.3687773 | 0.94154407 |
| -4.3196899 | 0.92387953 |
| -4.2706025 | 0.90398929 |
| -4.2215151 | 0.88192126 |
| -4.1724277 | 0.85772861 |
| -4.1233404 | 0.83146961 |
| -4.074253 | 0.80320753 |
| -4.0251656 | 0.77301045 |
| -3.9760782 | 0.74095113 |
| -3.9269908 | 0.70710678 |
| -3.8779034 | 0.67155895 |
| -3.828816 | 0.63439328 |
| -3.7797287 | 0.5956993 |
| -3.7306413 | 0.55557023 |
| -3.6815539 | 0.51410274 |
| -3.6324665 | 0.47139674 |
| -3.5833791 | 0.42755509 |
| -3.5342917 | 0.38268343 |
| -3.4852044 | 0.33688985 |
| -3.436117 | 0.29028468 |
| -3.3870296 | 0.24298018 |
| -3.3379422 | 0.19509032 |
| -3.2888548 | 0.14673047 |
| -3.2397674 | 0.09801714 |
| -3.19068 | 0.04906767 |

| | |
|---|---|
| -3.1415927 | 1.05E-14 |
| -3.0925053 | -0.0490677 |
| -3.0434179 | -0.0980171 |
| -2.9943305 | -0.1467305 |
| -2.9452431 | -0.1950903 |
| -2.8961557 | -0.2429802 |
| -2.8470683 | -0.2902847 |
| -2.797981 | -0.3368899 |
| -2.7488936 | -0.3826834 |
| -2.6998062 | -0.4275551 |
| -2.6507188 | -0.4713967 |
| -2.6016314 | -0.5141027 |
| -2.552544 | -0.5555702 |
| -2.5034566 | -0.5956993 |
| -2.4543693 | -0.6343933 |
| -2.4052819 | -0.671559 |
| -2.3561945 | -0.7071068 |
| -2.3071071 | -0.7409511 |
| -2.2580197 | -0.7730105 |
| -2.2089323 | -0.8032075 |
| -2.1598449 | -0.8314696 |
| -2.1107576 | -0.8577286 |
| -2.0616702 | -0.8819213 |
| -2.0125828 | -0.9039893 |
| -1.9634954 | -0.9238795 |
| -1.914408 | -0.9415441 |
| -1.8653206 | -0.9569403 |
| -1.8162333 | -0.9700313 |
| -1.7671459 | -0.9807853 |
| -1.7180585 | -0.9891765 |
| -1.6689711 | -0.9951847 |
| -1.6198837 | -0.9987955 |
| -1.5707963 | -1 |
| -1.5217089 | -0.9987955 |
| -1.4726216 | -0.9951847 |
| -1.4235342 | -0.9891765 |
| -1.3744468 | -0.9807853 |
| -1.3253594 | -0.9700313 |
| -1.276272 | -0.9569403 |
| -1.2271846 | -0.9415441 |

| | |
|---|---|
| -1.1780972 | -0.9238795 |
| -1.1290099 | -0.9039893 |
| -1.0799225 | -0.8819213 |
| -1.0308351 | -0.8577286 |
| -0.9817477 | -0.8314696 |
| -0.9326603 | -0.8032075 |
| -0.8835729 | -0.7730105 |
| -0.8344855 | -0.7409511 |
| -0.7853982 | -0.7071068 |
| -0.7363108 | -0.671559 |
| -0.6872234 | -0.6343933 |
| -0.638136 | -0.5956993 |
| -0.5890486 | -0.5555702 |
| -0.5399612 | -0.5141027 |
| -0.4908739 | -0.4713967 |
| -0.4417865 | -0.4275551 |
| -0.3926991 | -0.3826834 |
| -0.3436117 | -0.3368899 |
| -0.2945243 | -0.2902847 |
| -0.2454369 | -0.2429802 |
| -0.1963495 | -0.1950903 |
| -0.1472622 | -0.1467305 |
| -0.0981748 | -0.0980171 |
| -0.0490874 | -0.0490677 |
| -1.28E-14 | -1.28E-14 |
| 0.04908739 | 0.04906767 |
| 0.09817477 | 0.09801714 |
| 0.14726216 | 0.14673047 |
| 0.19634954 | 0.19509032 |
| 0.24543693 | 0.24298018 |
| 0.29452431 | 0.29028468 |
| 0.3436117 | 0.33688985 |
| 0.39269908 | 0.38268343 |
| 0.44178647 | 0.42755509 |
| 0.49087385 | 0.47139674 |
| 0.53996124 | 0.51410274 |
| 0.58904862 | 0.55557023 |
| 0.63813601 | 0.5956993 |
| 0.68722339 | 0.63439328 |
| 0.73631078 | 0.67155895 |

| | |
|---|---|
| 0.78539816 | 0.70710678 |
| 0.83448555 | 0.74095113 |
| 0.88357293 | 0.77301045 |
| 0.93266032 | 0.80320753 |
| 0.9817477 | 0.83146961 |
| 1.03083509 | 0.85772861 |
| 1.07992247 | 0.88192126 |
| 1.12900986 | 0.90398929 |
| 1.17809725 | 0.92387953 |
| 1.22718463 | 0.94154407 |
| 1.27627202 | 0.95694034 |
| 1.3253594 | 0.97003125 |
| 1.37444679 | 0.98078528 |
| 1.42353417 | 0.98917651 |
| 1.47262156 | 0.99518473 |
| 1.52170894 | 0.99879546 |
| 1.57079633 | 1 |
| 1.61988371 | 0.99879546 |
| 1.6689711 | 0.99518473 |
| 1.71805848 | 0.98917651 |
| 1.76714587 | 0.98078528 |
| 1.81623325 | 0.97003125 |
| 1.86532064 | 0.95694034 |
| 1.91440802 | 0.94154407 |
| 1.96349541 | 0.92387953 |
| 2.01258279 | 0.90398929 |
| 2.06167018 | 0.88192126 |
| 2.11075756 | 0.85772861 |
| 2.15984495 | 0.83146961 |
| 2.20893233 | 0.80320753 |
| 2.25801972 | 0.77301045 |
| 2.3071071 | 0.74095113 |
| 2.35619449 | 0.70710678 |
| 2.40528188 | 0.67155895 |
| 2.45436926 | 0.63439328 |
| 2.50345665 | 0.5956993 |
| 2.55254403 | 0.55557023 |
| 2.60163142 | 0.51410274 |
| 2.6507188 | 0.47139674 |
| 2.69980619 | 0.42755509 |

| | |
|---|---|
| 2.74889357 | 0.38268343 |
| 2.79798096 | 0.33688985 |
| 2.84706834 | 0.29028468 |
| 2.89615573 | 0.24298018 |
| 2.94524311 | 0.19509032 |
| 2.9943305 | 0.14673047 |
| 3.04341788 | 0.09801714 |
| 3.09250527 | 0.04906767 |
| 3.14159265 | 1.52E-14 |
| 3.19068004 | -0.0490677 |
| 3.23976742 | -0.0980171 |
| 3.28885481 | -0.1467305 |
| 3.33794219 | -0.1950903 |
| 3.38702958 | -0.2429802 |
| 3.43611696 | -0.2902847 |
| 3.48520435 | -0.3368899 |
| 3.53429174 | -0.3826834 |
| 3.58337912 | -0.4275551 |
| 3.63246651 | -0.4713967 |
| 3.68155389 | -0.5141027 |
| 3.73064128 | -0.5555702 |
| 3.77972866 | -0.5956993 |
| 3.82881605 | -0.6343933 |
| 3.87790343 | -0.671559 |
| 3.92699082 | -0.7071068 |
| 3.9760782 | -0.7409511 |
| 4.02516559 | -0.7730105 |
| 4.07425297 | -0.8032075 |
| 4.12334036 | -0.8314696 |
| 4.17242774 | -0.8577286 |
| 4.22151513 | -0.8819213 |
| 4.27060251 | -0.9039893 |
| 4.3196899 | -0.9238795 |
| 4.36877728 | -0.9415441 |
| 4.41786467 | -0.9569403 |
| 4.46695205 | -0.9700313 |
| 4.51603944 | -0.9807853 |
| 4.56512682 | -0.9891765 |
| 4.61421421 | -0.9951847 |
| 4.6633016 | -0.9987955 |

| | |
|---|---|
| 4.71238898 | -1 |
| 4.76147637 | -0.9987955 |
| 4.81056375 | -0.9951847 |
| 4.85965114 | -0.9891765 |
| 4.90873852 | -0.9807853 |
| 4.95782591 | -0.9700313 |
| 5.00691329 | -0.9569403 |
| 5.05600068 | -0.9415441 |
| 5.10508806 | -0.9238795 |
| 5.15417545 | -0.9039893 |
| 5.20326283 | -0.8819213 |
| 5.25235022 | -0.8577286 |
| 5.3014376 | -0.8314696 |
| 5.35052499 | -0.8032075 |
| 5.39961237 | -0.7730105 |
| 5.44869976 | -0.7409511 |
| 5.49778714 | -0.7071068 |
| 5.54687453 | -0.671559 |
| 5.59596191 | -0.6343933 |
| 5.6450493 | -0.5956993 |
| 5.69413668 | -0.5555702 |
| 5.74322407 | -0.5141027 |
| 5.79231146 | -0.4713967 |
| 5.84139884 | -0.4275551 |
| 5.89048623 | -0.3826834 |
| 5.93957361 | -0.3368899 |
| 5.988661 | -0.2902847 |
| 6.03774838 | -0.2429802 |
| 6.08683577 | -0.1950903 |
| 6.13592315 | -0.1467305 |
| 6.18501054 | -0.0980171 |
| 6.23409792 | -0.0490677 |
| 6.28318531 | -2.60E-14 |

**cos(x)**

| **X** | **f(x)** |
|---|---|
| -6.2831853 | 1 |
| -6.2340979 | 0.99879546 |
| -6.1850105 | 0.99518473 |

| | |
|---|---|
| -6.1359232 | 0.98917651 |
| -6.0868358 | 0.98078528 |
| -6.0377484 | 0.97003125 |
| -5.988661 | 0.95694034 |
| -5.9395736 | 0.94154407 |
| -5.8904862 | 0.92387953 |
| -5.8413988 | 0.90398929 |
| -5.7923115 | 0.88192126 |
| -5.7432241 | 0.85772861 |
| -5.6941367 | 0.83146961 |
| -5.6450493 | 0.80320753 |
| -5.5959619 | 0.77301045 |
| -5.5468745 | 0.74095113 |
| -5.4977871 | 0.70710678 |
| -5.4486998 | 0.67155895 |
| -5.3996124 | 0.63439328 |
| -5.350525 | 0.5956993 |
| -5.3014376 | 0.55557023 |
| -5.2523502 | 0.51410274 |
| -5.2032628 | 0.47139674 |
| -5.1541754 | 0.42755509 |
| -5.1050881 | 0.38268343 |
| -5.0560007 | 0.33688985 |
| -5.0069133 | 0.29028468 |
| -4.9578259 | 0.24298018 |
| -4.9087385 | 0.19509032 |
| -4.8596511 | 0.14673047 |
| -4.8105638 | 0.09801714 |
| -4.7614764 | 0.04906767 |
| -4.712389 | 5.15E-15 |
| -4.6633016 | -0.0490677 |
| -4.6142142 | -0.0980171 |
| -4.5651268 | -0.1467305 |
| -4.5160394 | -0.1950903 |
| -4.4669521 | -0.2429802 |
| -4.4178647 | -0.2902847 |
| -4.3687773 | -0.3368899 |
| -4.3196899 | -0.3826834 |
| -4.2706025 | -0.4275551 |
| -4.2215151 | -0.4713967 |

| | |
|---|---|
| -4.1724277 | -0.5141027 |
| -4.1233404 | -0.5555702 |
| -4.074253 | -0.5956993 |
| -4.0251656 | -0.6343933 |
| -3.9760782 | -0.671559 |
| -3.9269908 | -0.7071068 |
| -3.8779034 | -0.7409511 |
| -3.828816 | -0.7730105 |
| -3.7797287 | -0.8032075 |
| -3.7306413 | -0.8314696 |
| -3.6815539 | -0.8577286 |
| -3.6324665 | -0.8819213 |
| -3.5833791 | -0.9039893 |
| -3.5342917 | -0.9238795 |
| -3.4852044 | -0.9415441 |
| -3.436117 | -0.9569403 |
| -3.3870296 | -0.9700313 |
| -3.3379422 | -0.9807853 |
| -3.2888548 | -0.9891765 |
| -3.2397674 | -0.9951847 |
| -3.19068 | -0.9987955 |
| -3.1415927 | -1 |
| -3.0925053 | -0.9987955 |
| -3.0434179 | -0.9951847 |
| -2.9943305 | -0.9891765 |
| -2.9452431 | -0.9807853 |
| -2.8961557 | -0.9700313 |
| -2.8470683 | -0.9569403 |
| -2.797981 | -0.9415441 |
| -2.7488936 | -0.9238795 |
| -2.6998062 | -0.9039893 |
| -2.6507188 | -0.8819213 |
| -2.6016314 | -0.8577286 |
| -2.552544 | -0.8314696 |
| -2.5034566 | -0.8032075 |
| -2.4543693 | -0.7730105 |
| -2.4052819 | -0.7409511 |
| -2.3561945 | -0.7071068 |
| -2.3071071 | -0.671559 |
| -2.2580197 | -0.6343933 |

| | |
|---|---|
| -2.2089323 | -0.5956993 |
| -2.1598449 | -0.5555702 |
| -2.1107576 | -0.5141027 |
| -2.0616702 | -0.4713967 |
| -2.0125828 | -0.4275551 |
| -1.9634954 | -0.3826834 |
| -1.914408 | -0.3368899 |
| -1.8653206 | -0.2902847 |
| -1.8162333 | -0.2429802 |
| -1.7671459 | -0.1950903 |
| -1.7180585 | -0.1467305 |
| -1.6689711 | -0.0980171 |
| -1.6198837 | -0.0490677 |
| -1.5707963 | -1.39E-01 |
| -1.5217089 | 0.04906767 |
| -1.4726216 | 0.09801714 |
| -1.4235342 | 0.14673047 |
| -1.3744468 | 0.19509032 |
| -1.3253594 | 0.24298018 |
| -1.276272 | 0.29028468 |
| -1.2271846 | 0.33688985 |
| -1.1780972 | 0.38268343 |
| -1.1290099 | 0.42755509 |
| -1.0799225 | 0.47139674 |
| -1.0308351 | 0.51410274 |
| -0.9817477 | 0.55557023 |
| -0.9326603 | 0.5956993 |
| -0.8835729 | 0.63439328 |
| -0.8344855 | 0.67155895 |
| -0.7853982 | 0.70710678 |
| -0.7363108 | 0.74095113 |
| -0.6872234 | 0.77301045 |
| -0.638136 | 0.80320753 |
| -0.5890486 | 0.83146961 |
| -0.5399612 | 0.85772861 |
| -0.4908739 | 0.88192126 |
| -0.4417865 | 0.90398929 |
| -0.3926991 | 0.92387953 |
| -0.3436117 | 0.94154407 |
| -0.2945243 | 0.95694034 |

| | |
|---|---|
| -0.2454369 | 0.97003125 |
| -0.1963495 | 0.98078528 |
| -0.1472622 | 0.98917651 |
| -0.0981748 | 0.99518473 |
| -0.0490874 | 0.99879546 |
| -1.28E-14 | 1 |
| 0.04908739 | 0.99879546 |
| 0.09817477 | 0.99518473 |
| 0.14726216 | 0.98917651 |
| 0.19634954 | 0.98078528 |
| 0.24543693 | 0.97003125 |
| 0.29452431 | 0.95694034 |
| 0.3436117 | 0.94154407 |
| 0.39269908 | 0.92387953 |
| 0.44178647 | 0.90398929 |
| 0.49087385 | 0.88192126 |
| 0.53996124 | 0.85772861 |
| 0.58904862 | 0.83146961 |
| 0.63813601 | 0.80320753 |
| 0.68722339 | 0.77301045 |
| 0.73631078 | 0.74095113 |
| 0.78539816 | 0.70710678 |
| 0.83448555 | 0.67155895 |
| 0.88357293 | 0.63439328 |
| 0.93266032 | 0.5956993 |
| 0.9817477 | 0.55557023 |
| 1.03083509 | 0.51410274 |
| 1.07992247 | 0.47139674 |
| 1.12900986 | 0.42755509 |
| 1.17809725 | 0.38268343 |
| 1.22718463 | 0.33688985 |
| 1.27627202 | 0.29028468 |
| 1.3253594 | 0.24298018 |
| 1.37444679 | 0.19509032 |
| 1.42353417 | 0.14673047 |
| 1.47262156 | 0.09801714 |
| 1.52170894 | 0.04906767 |
| 1.57079633 | 1.18E-14 |
| 1.61988371 | -0.0490677 |
| 1.6689711 | -0.0980171 |

| | |
|---|---|
| 1.71805848 | -0.1467305 |
| 1.76714587 | -0.1950903 |
| 1.81623325 | -0.2429802 |
| 1.86532064 | -0.2902847 |
| 1.91440802 | -0.3368899 |
| 1.96349541 | -0.3826834 |
| 2.01258279 | -0.4275551 |
| 2.06167018 | -0.4713967 |
| 2.11075756 | -0.5141027 |
| 2.15984495 | -0.5555702 |
| 2.20893233 | -0.5956993 |
| 2.25801972 | -0.6343933 |
| 2.3071071 | -0.671559 |
| 2.35619449 | -0.7071068 |
| 2.40528188 | -0.7409511 |
| 2.45436926 | -0.7730105 |
| 2.50345665 | -0.8032075 |
| 2.55254403 | -0.8314696 |
| 2.60163142 | -0.8577286 |
| 2.6507188 | -0.8819213 |
| 2.69980619 | -0.9039893 |
| 2.74889357 | -0.9238795 |
| 2.79798096 | -0.9415441 |
| 2.84706834 | -0.9569403 |
| 2.89615573 | -0.9700313 |
| 2.94524311 | -0.9807853 |
| 2.9943305 | -0.9891765 |
| 3.04341788 | -0.9951847 |
| 3.09250527 | -0.9987955 |
| 3.14159265 | -1 |
| 3.19068004 | -0.9987955 |
| 3.23976742 | -0.9951847 |
| 3.28885481 | -0.9891765 |
| 3.33794219 | -0.9807853 |
| 3.38702958 | -0.9700313 |
| 3.43611696 | -0.9569403 |
| 3.48520435 | -0.9415441 |
| 3.53429174 | -0.9238795 |
| 3.58337912 | -0.9039893 |
| 3.63246651 | -0.8819213 |

| | |
|---|---|
| 3.68155389 | -0.8577286 |
| 3.73064128 | -0.8314696 |
| 3.77972866 | -0.8032075 |
| 3.82881605 | -0.7730105 |
| 3.87790343 | -0.7409511 |
| 3.92699082 | -0.7071068 |
| 3.9760782 | -0.671559 |
| 4.02516559 | -0.6343933 |
| 4.07425297 | -0.5956993 |
| 4.12334036 | -0.5555702 |
| 4.17242774 | -0.5141027 |
| 4.22151513 | -0.4713967 |
| 4.27060251 | -0.4275551 |
| 4.3196899 | -0.3826834 |
| 4.36877728 | -0.3368899 |
| 4.41786467 | -0.2902847 |
| 4.46695205 | -0.2429802 |
| 4.51603944 | -0.1950903 |
| 4.56512682 | -0.1467305 |
| 4.61421421 | -0.0980171 |
| 4.6633016 | -0.0490677 |
| 4.71238898 | -2.06E-14 |
| 4.76147637 | 0.04906767 |
| 4.81056375 | 0.09801714 |
| 4.85965114 | 0.14673047 |
| 4.90873852 | 0.19509032 |
| 4.95782591 | 0.24298018 |
| 5.00691329 | 0.29028468 |
| 5.05600068 | 0.33688985 |
| 5.10508806 | 0.38268343 |
| 5.15417545 | 0.42755509 |
| 5.20326283 | 0.47139674 |
| 5.25235022 | 0.51410274 |
| 5.3014376 | 0.55557023 |
| 5.35052499 | 0.5956993 |
| 5.39961237 | 0.63439328 |
| 5.44869976 | 0.67155895 |
| 5.49778714 | 0.70710678 |
| 5.54687453 | 0.74095113 |
| 5.59596191 | 0.77301045 |

| | |
|---|---|
| 5.6450493 | 0.80320753 |
| 5.69413668 | 0.83146961 |
| 5.74322407 | 0.85772861 |
| 5.79231146 | 0.88192126 |
| 5.84139884 | 0.90398929 |
| 5.89048623 | 0.92387953 |
| 5.93957361 | 0.94154407 |
| 5.988661 | 0.95694034 |
| 6.03774838 | 0.97003125 |
| 6.08683577 | 0.98078528 |
| 6.13592315 | 0.98917651 |
| 6.18501054 | 0.99518473 |
| 6.23409792 | 0.99879546 |
| 6.28318531 | 1 |

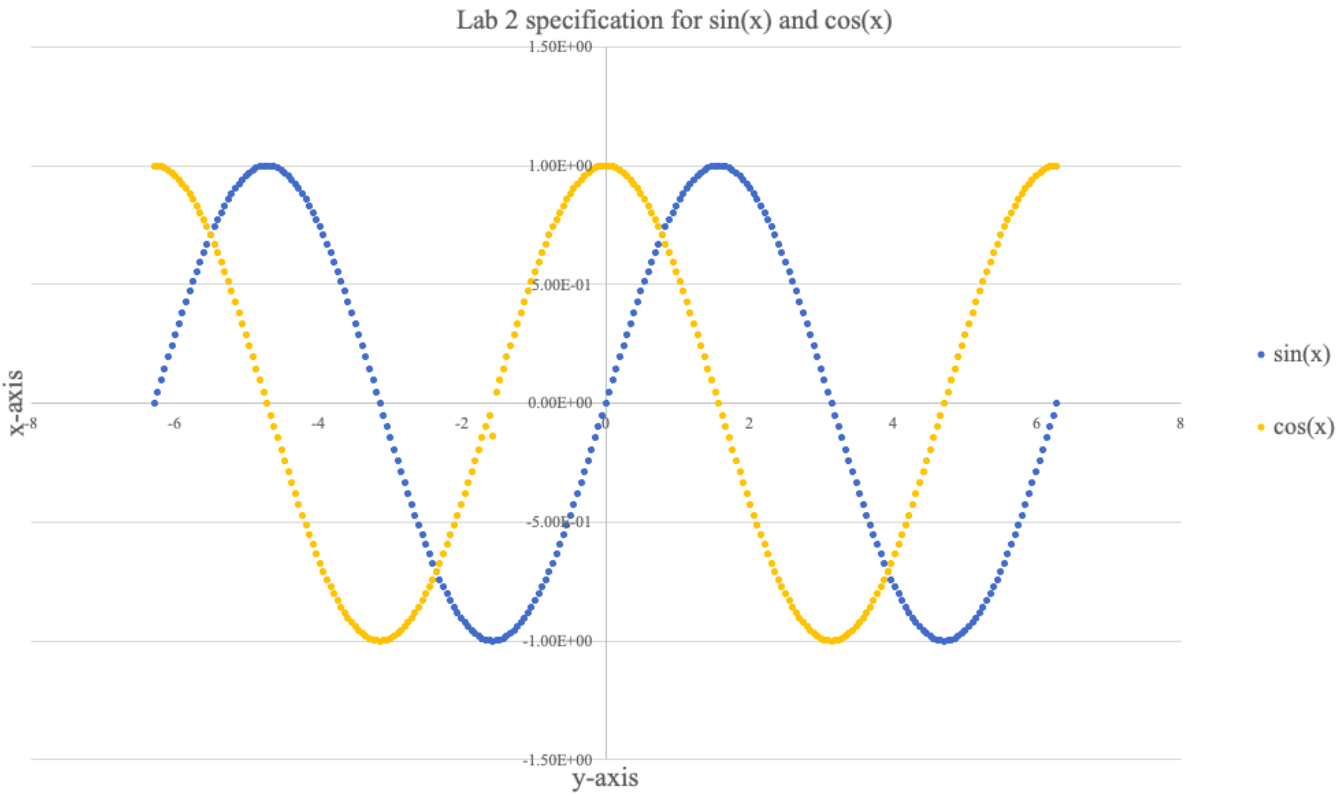


Figure 8. A sin(x) and cos(x) graph from the above set of points

**sqrt(x)**

| **x** | **f(x)** |
|---|---|

| | |
|---|---|
| 0 | 0 |
| 0.5 | 0.70710678 |
| 1 | 1 |
| 1.5 | 1.22474487 |
| 2 | 1.41421356 |
| 2.5 | 1.58113883 |
| 3 | 1.73205081 |
| 3.5 | 1.87082869 |
| 4 | 2 |
| 4.5 | 2.12132034 |
| 5 | 2.23606798 |
| 5.5 | 2.34520788 |
| 6 | 2.44948974 |
| 6.5 | 2.54950976 |
| 7 | 2.64575131 |
| 7.5 | 2.73861279 |
| 8 | 2.82842712 |
| 8.5 | 2.91547595 |
| 9 | 3 |
| 9.5 | 3.082207 |
| 10 | 3.16227766 |
| 10.5 | 3.24037035 |
| 11 | 3.31662479 |
| 11.5 | 3.39116499 |
| 12 | 3.46410162 |
| 12.5 | 3.53553391 |
| 13 | 3.60555128 |
| 13.5 | 3.67423461 |
| 14 | 3.74165739 |
| 14.5 | 3.80788655 |
| 15 | 3.87298335 |
| 15.5 | 3.93700394 |
| 16 | 4 |
| 16.5 | 4.0620192 |
| 17 | 4.12310563 |
| 17.5 | 4.18330013 |
| 18 | 4.24264069 |
| 18.5 | 4.30116263 |
| 19 | 4.35889894 |
| 19.5 | 4.41588043 |

| | |
|---|---|
| 20 | 4.47213595 |
| 20.5 | 4.52769257 |
| 21 | 4.58257569 |
| 21.5 | 4.63680925 |
| 22 | 4.69041576 |
| 22.5 | 4.74341649 |
| 23 | 4.79583152 |
| 23.5 | 4.84767986 |
| 24 | 4.89897949 |
| 24.5 | 4.94974747 |
| 25 | 5 |
| 25.5 | 5.04975247 |
| 26 | 5.09901951 |
| 26.5 | 5.14781507 |
| 27 | 5.19615242 |
| 27.5 | 5.24404424 |
| 28 | 5.29150262 |
| 28.5 | 5.33853913 |
| 29 | 5.38516481 |
| 29.5 | 5.43139025 |
| 30 | 5.47722558 |
| 30.5 | 5.52268051 |
| 31 | 5.56776436 |
| 31.5 | 5.61248608 |
| 32 | 5.65685425 |
| 32.5 | 5.70087713 |
| 33 | 5.74456265 |
| 33.5 | 5.78791845 |
| 34 | 5.83095189 |
| 34.5 | 5.87367006 |
| 35 | 5.91607978 |
| 35.5 | 5.95818764 |
| 36 | 6 |
| 36.5 | 6.04152299 |
| 37 | 6.08276253 |
| 37.5 | 6.12372436 |
| 38 | 6.164414 |
| 38.5 | 6.20483682 |
| 39 | 6.244998 |
| 39.5 | 6.28490254 |

| | |
|---|---|
| 40 | 6.32455532 |
| 40.5 | 6.36396103 |
| 41 | 6.40312424 |
| 41.5 | 6.44204936 |
| 42 | 6.4807407 |
| 42.5 | 6.51920241 |
| 43 | 6.55743852 |
| 43.5 | 6.59545298 |
| 44 | 6.63324958 |
| 44.5 | 6.67083203 |
| 45 | 6.70820393 |
| 45.5 | 6.74536878 |
| 46 | 6.78232998 |
| 46.5 | 6.81909085 |
| 47 | 6.8556546 |
| 47.5 | 6.89202438 |
| 48 | 6.92820323 |
| 48.5 | 6.96419414 |
| 49 | 7 |
| 49.5 | 7.03562364 |
| 50 | 7.07106781 |
| 50.5 | 7.1063352 |
| 51 | 7.14142843 |
| 51.5 | 7.17635005 |
| 52 | 7.21110255 |
| 52.5 | 7.24568837 |
| 53 | 7.28010989 |
| 53.5 | 7.31436942 |
| 54 | 7.34846923 |
| 54.5 | 7.38241153 |
| 55 | 7.41619849 |
| 55.5 | 7.44983221 |
| 56 | 7.48331477 |
| 56.5 | 7.51664819 |
| 57 | 7.54983444 |
| 57.5 | 7.58287544 |
| 58 | 7.61577311 |
| 58.5 | 7.64852927 |
| 59 | 7.68114575 |
| 59.5 | 7.71362431 |

| | |
|---|---|
| 60 | 7.74596669 |
| 60.5 | 7.77817459 |
| 61 | 7.81024968 |
| 61.5 | 7.84219357 |
| 62 | 7.87400787 |
| 62.5 | 7.90569415 |
| 63 | 7.93725393 |
| 63.5 | 7.96868873 |
| 64 | 8 |
| 64.5 | 8.0311892 |
| 65 | 8.06225775 |
| 65.5 | 8.09320703 |
| 66 | 8.1240384 |
| 66.5 | 8.15475322 |
| 67 | 8.18535277 |
| 67.5 | 8.21583836 |
| 68 | 8.24621125 |
| 68.5 | 8.27647268 |
| 69 | 8.30662386 |
| 69.5 | 8.336666 |
| 70 | 8.36660027 |
| 70.5 | 8.39642781 |
| 71 | 8.42614977 |
| 71.5 | 8.45576726 |
| 72 | 8.48528137 |
| 72.5 | 8.51469318 |
| 73 | 8.54400375 |
| 73.5 | 8.5732141 |
| 74 | 8.60232527 |
| 74.5 | 8.63133825 |
| 75 | 8.66025404 |
| 75.5 | 8.6890736 |
| 76 | 8.71779789 |
| 76.5 | 8.74642784 |
| 77 | 8.77496439 |
| 77.5 | 8.80340843 |
| 78 | 8.83176087 |
| 78.5 | 8.86002257 |
| 79 | 8.88819442 |
| 79.5 | 8.91627725 |

| | |
|---|---|
| 80 | 8.94427191 |
| 80.5 | 8.97217922 |
| 81 | 9 |
| 81.5 | 9.02773504 |
| 82 | 9.05538514 |
| 82.5 | 9.08295106 |
| 83 | 9.11043358 |
| 83.5 | 9.13783344 |
| 84 | 9.16515139 |
| 84.5 | 9.19238816 |
| 85 | 9.21954446 |
| 85.5 | 9.246621 |
| 86 | 9.2736185 |
| 86.5 | 9.30053762 |
| 87 | 9.32737905 |
| 87.5 | 9.35414347 |
| 88 | 9.38083152 |
| 88.5 | 9.40744386 |
| 89 | 9.43398113 |
| 89.5 | 9.46044396 |
| 90 | 9.48683298 |
| 90.5 | 9.5131488 |
| 91 | 9.53939201 |
| 91.5 | 9.56556323 |
| 92 | 9.59166305 |
| 92.5 | 9.61769203 |
| 93 | 9.64365076 |
| 93.5 | 9.6695398 |
| 94 | 9.69535971 |
| 94.5 | 9.72111105 |
| 95 | 9.74679434 |
| 95.5 | 9.77241014 |
| 96 | 9.79795897 |
| 96.5 | 9.82344135 |
| 97 | 9.8488578 |
| 97.5 | 9.87420883 |
| 98 | 9.89949494 |
| 98.5 | 9.92471662 |
| 99 | 9.94987437 |
| 99.5 | 9.97496867 |

| | |
|---|---|
| 100 | 10 |
| 100.5 | 10.0249688 |
| 101 | 10.0498756 |
| 101.5 | 10.0747208 |
| 102 | 10.0995049 |
| 102.5 | 10.1242284 |
| 103 | 10.1488916 |
| 103.5 | 10.173495 |
| 104 | 10.198039 |
| 104.5 | 10.2225242 |
| 105 | 10.2469508 |
| 105.5 | 10.2713193 |
| 106 | 10.2956301 |
| 106.5 | 10.3198837 |
| 107 | 10.3440804 |
| 107.5 | 10.3682207 |
| 108 | 10.3923048 |
| 108.5 | 10.4163333 |
| 109 | 10.4403065 |
| 109.5 | 10.4642248 |
| 110 | 10.4880885 |
| 110.5 | 10.511898 |
| 111 | 10.5356538 |
| 111.5 | 10.559356 |
| 112 | 10.5830052 |
| 112.5 | 10.6066017 |
| 113 | 10.6301458 |
| 113.5 | 10.6536379 |
| 114 | 10.6770783 |
| 114.5 | 10.7004673 |
| 115 | 10.7238053 |
| 115.5 | 10.7470926 |
| 116 | 10.7703296 |
| 116.5 | 10.7935166 |
| 117 | 10.8166538 |
| 117.5 | 10.8397417 |
| 118 | 10.8627805 |
| 118.5 | 10.8857705 |
| 119 | 10.9087121 |
| 119.5 | 10.9316056 |

| | |
|---|---|
| 120 | 10.9544512 |
| 120.5 | 10.9772492 |
| 121 | 11 |
| 121.5 | 11.0227038 |
| 122 | 11.045361 |
| 122.5 | 11.0679718 |
| 123 | 11.0905365 |
| 123.5 | 11.1130554 |
| 124 | 11.1355287 |
| 124.5 | 11.1579568 |
| 125 | 11.1803399 |
| 125.5 | 11.2026783 |
| 126 | 11.2249722 |
| 126.5 | 11.2472219 |
| 127 | 11.2694277 |
| 127.5 | 11.2915898 |
| 128 | 11.3137085 |
| 128.5 | 11.335784 |
| 129 | 11.3578167 |
| 129.5 | 11.3798067 |
| 130 | 11.4017543 |
| 130.5 | 11.4236597 |
| 131 | 11.4455231 |
| 131.5 | 11.4673449 |
| 132 | 11.4891253 |
| 132.5 | 11.5108644 |
| 133 | 11.5325626 |
| 133.5 | 11.55422 |
| 134 | 11.5758369 |
| 134.5 | 11.5974135 |
| 135 | 11.61895 |
| 135.5 | 11.6404467 |
| 136 | 11.6619038 |
| 136.5 | 11.6833214 |
| 137 | 11.7046999 |
| 137.5 | 11.7260394 |
| 138 | 11.7473401 |
| 138.5 | 11.7686023 |
| 139 | 11.7898261 |
| 139.5 | 11.8110118 |

| | |
|---|---|
| 140 | 11.8321596 |
| 140.5 | 11.8532696 |
| 141 | 11.8743421 |
| 141.5 | 11.8953773 |
| 142 | 11.9163753 |
| 142.5 | 11.9373364 |
| 143 | 11.9582607 |
| 143.5 | 11.9791486 |
| 144 | 12 |
| 144.5 | 12.0208153 |
| 145 | 12.0415946 |
| 145.5 | 12.0623381 |
| 146 | 12.083046 |
| 146.5 | 12.1037184 |
| 147 | 12.1243557 |
| 147.5 | 12.1449578 |
| 148 | 12.1655251 |
| 148.5 | 12.1860576 |
| 149 | 12.2065556 |
| 149.5 | 12.2270193 |
| 150 | 12.2474487 |
| 150.5 | 12.2678441 |
| 151 | 12.2882057 |
| 151.5 | 12.3085336 |
| 152 | 12.328828 |
| 152.5 | 12.349089 |
| 153 | 12.3693169 |
| 153.5 | 12.3895117 |
| 154 | 12.4096736 |
| 154.5 | 12.4298029 |
| 155 | 12.4498996 |
| 155.5 | 12.4699639 |
| 156 | 12.489996 |
| 156.5 | 12.509996 |
| 157 | 12.5299641 |
| 157.5 | 12.5499004 |
| 158 | 12.5698051 |
| 158.5 | 12.5896783 |
| 159 | 12.6095202 |
| 159.5 | 12.6293309 |

| | |
|---|---|
| 160 | 12.6491106 |
| 160.5 | 12.6688595 |
| 161 | 12.6885775 |
| 161.5 | 12.708265 |
| 162 | 12.7279221 |
| 162.5 | 12.7475488 |
| 163 | 12.7671453 |
| 163.5 | 12.7867119 |
| 164 | 12.8062485 |
| 164.5 | 12.8257553 |
| 165 | 12.8452326 |
| 165.5 | 12.8646803 |
| 166 | 12.8840987 |
| 166.5 | 12.9034879 |
| 167 | 12.922848 |
| 167.5 | 12.9421791 |
| 168 | 12.9614814 |
| 168.5 | 12.980755 |
| 169 | 13 |
| 169.5 | 13.0192166 |
| 170 | 13.0384048 |
| 170.5 | 13.0575649 |
| 171 | 13.0766968 |
| 171.5 | 13.0958009 |
| 172 | 13.114877 |
| 172.5 | 13.1339255 |
| 173 | 13.1529464 |
| 173.5 | 13.1719399 |
| 174 | 13.190906 |
| 174.5 | 13.2098448 |
| 175 | 13.2287566 |
| 175.5 | 13.2476413 |
| 176 | 13.2664992 |
| 176.5 | 13.2853303 |
| 177 | 13.3041347 |
| 177.5 | 13.3229126 |
| 178 | 13.3416641 |
| 178.5 | 13.3603892 |
| 179 | 13.3790882 |
| 179.5 | 13.397761 |

| | |
|---|---|
| 180 | 13.4164079 |
| 180.5 | 13.4350288 |
| 181 | 13.453624 |
| 181.5 | 13.4721936 |
| 182 | 13.4907376 |
| 182.5 | 13.5092561 |
| 183 | 13.5277493 |
| 183.5 | 13.5462172 |
| 184 | 13.56466 |
| 184.5 | 13.5830777 |
| 185 | 13.6014705 |
| 185.5 | 13.6198385 |
| 186 | 13.6381817 |
| 186.5 | 13.6565003 |
| 187 | 13.6747943 |
| 187.5 | 13.6930639 |
| 188 | 13.7113092 |
| 188.5 | 13.7295302 |
| 189 | 13.7477271 |
| 189.5 | 13.7658999 |
| 190 | 13.7840488 |
| 190.5 | 13.8021737 |
| 191 | 13.820275 |
| 191.5 | 13.8383525 |
| 192 | 13.8564065 |
| 192.5 | 13.8744369 |
| 193 | 13.892444 |
| 193.5 | 13.9104277 |
| 194 | 13.9283883 |
| 194.5 | 13.9463257 |
| 195 | 13.96424 |
| 195.5 | 13.9821315 |
| 196 | 14 |
| 196.5 | 14.0178458 |
| 197 | 14.0356688 |
| 197.5 | 14.0534693 |
| 198 | 14.0712473 |
| 198.5 | 14.0890028 |
| 199 | 14.106736 |
| 199.5 | 14.1244469 |

| | |
|---|---|
| 200 | 14.1421356 |

**log10(x)**

| x | f(x) |
|---|---|
| 1 | 0 |
| 1.5 | 0.176091 |
| 2 | 0.30103 |
| 2.5 | 0.39794 |
| 3 | 0.477121 |
| 3.5 | 0.544068 |
| 4 | 0.60206 |
| 4.5 | 0.653213 |
| 5 | 0.69897 |
| 5.5 | 0.740363 |
| 6 | 0.778151 |
| 6.5 | 0.812913 |
| 7 | 0.845098 |
| 7.5 | 0.875061 |
| 8 | 0.90309 |
| 8.5 | 0.929419 |
| 9 | 0.954243 |
| 9.5 | 0.977724 |
| 10 | 1 |
| 10.5 | 1.021189 |
| 11 | 1.041393 |
| 11.5 | 1.060698 |
| 12 | 1.079181 |
| 12.5 | 1.09691 |
| 13 | 1.113943 |
| 13.5 | 1.130334 |
| 14 | 1.146128 |
| 14.5 | 1.161368 |
| 15 | 1.176091 |
| 15.5 | 1.190332 |
| 16 | 1.20412 |
| 16.5 | 1.217484 |

| | |
|---|---|
| 17 | 1.230449 |
| 17.5 | 1.243038 |
| 18 | 1.255273 |
| 18.5 | 1.267172 |
| 19 | 1.278754 |
| 19.5 | 1.290035 |
| 20 | 1.30103 |
| 20.5 | 1.311754 |
| 21 | 1.322219 |
| 21.5 | 1.332438 |
| 22 | 1.342423 |
| 22.5 | 1.352183 |
| 23 | 1.361728 |
| 23.5 | 1.371068 |
| 24 | 1.380211 |
| 24.5 | 1.389166 |
| 25 | 1.39794 |
| 25.5 | 1.40654 |
| 26 | 1.414973 |
| 26.5 | 1.423246 |
| 27 | 1.431364 |
| 27.5 | 1.439333 |
| 28 | 1.447158 |
| 28.5 | 1.454845 |
| 29 | 1.462398 |
| 29.5 | 1.469822 |
| 30 | 1.477121 |
| 30.5 | 1.4843 |
| 31 | 1.491362 |
| 31.5 | 1.498311 |
| 32 | 1.50515 |
| 32.5 | 1.511883 |
| 33 | 1.518514 |
| 33.5 | 1.525045 |
| 34 | 1.531479 |
| 34.5 | 1.537819 |
| 35 | 1.544068 |
| 35.5 | 1.550228 |

| | |
|---|---|
| 36 | 1.556303 |
| 36.5 | 1.562293 |
| 37 | 1.568202 |
| 37.5 | 1.574031 |
| 38 | 1.579784 |
| 38.5 | 1.585461 |
| 39 | 1.591065 |
| 39.5 | 1.596597 |
| 40 | 1.60206 |
| 40.5 | 1.607455 |
| 41 | 1.612784 |
| 41.5 | 1.618048 |
| 42 | 1.623249 |
| 42.5 | 1.628389 |
| 43 | 1.633468 |
| 43.5 | 1.638489 |
| 44 | 1.643453 |
| 44.5 | 1.64836 |
| 45 | 1.653213 |
| 45.5 | 1.658011 |
| 46 | 1.662758 |
| 46.5 | 1.667453 |
| 47 | 1.672098 |
| 47.5 | 1.676694 |
| 48 | 1.681241 |
| 48.5 | 1.685742 |
| 49 | 1.690196 |
| 49.5 | 1.694605 |
| 50 | 1.69897 |
| 50.5 | 1.703291 |
| 51 | 1.70757 |
| 51.5 | 1.711807 |
| 52 | 1.716003 |
| 52.5 | 1.720159 |
| 53 | 1.724276 |
| 53.5 | 1.728354 |
| 54 | 1.732394 |
| 54.5 | 1.736397 |

| | |
|---|---|
| 55 | 1.740363 |
| 55.5 | 1.744293 |
| 56 | 1.748188 |
| 56.5 | 1.752048 |
| 57 | 1.755875 |
| 57.5 | 1.759668 |
| 58 | 1.763428 |
| 58.5 | 1.767156 |
| 59 | 1.770852 |
| 59.5 | 1.774517 |
| 60 | 1.778151 |
| 60.5 | 1.781755 |
| 61 | 1.78533 |
| 61.5 | 1.788875 |
| 62 | 1.792392 |
| 62.5 | 1.79588 |
| 63 | 1.799341 |
| 63.5 | 1.802774 |
| 64 | 1.80618 |
| 64.5 | 1.80956 |
| 65 | 1.812913 |
| 65.5 | 1.816241 |
| 66 | 1.819544 |
| 66.5 | 1.822822 |
| 67 | 1.826075 |
| 67.5 | 1.829304 |
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| 80.5 | 1.905796 |
| 81 | 1.908485 |
| 81.5 | 1.911158 |
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| 82.5 | 1.916454 |
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| 86 | 1.934498 |
| 86.5 | 1.937016 |
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| 87.5 | 1.942008 |
| 88 | 1.944483 |
| 88.5 | 1.946943 |
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| 89.5 | 1.951823 |
| 90 | 1.954243 |
| 90.5 | 1.956649 |
| 91 | 1.959041 |
| 91.5 | 1.961421 |
| 92 | 1.963788 |
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| 94.5 | 1.975432 |
| 95 | 1.977724 |
| 95.5 | 1.980003 |
| 96 | 1.982271 |
| 96.5 | 1.984527 |
| 97 | 1.986772 |
| 97.5 | 1.989005 |
| 98 | 1.991226 |
| 98.5 | 1.993436 |
| 99 | 1.995635 |
| 99.5 | 1.997823 |
| 100 | 2 |
| 100.5 | 2.002166 |
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| 107 | 2.029384 |
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| 119.5 | 2.077368 |
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| 122 | 2.08636 |
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| 123.5 | 2.091667 |
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| 125 | 2.09691 |
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| 128 | 2.10721 |
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| 129.5 | 2.11227 |
| 130 | 2.113943 |
| 130.5 | 2.115611 |

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| 135 | 2.130334 |
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| 137.5 | 2.138303 |
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| 138.5 | 2.14145 |
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| 139.5 | 2.144574 |
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| 140.5 | 2.147676 |
| 141 | 2.149219 |
| 141.5 | 2.150756 |
| 142 | 2.152288 |
| 142.5 | 2.153815 |
| 143 | 2.155336 |
| 143.5 | 2.156852 |
| 144 | 2.158362 |
| 144.5 | 2.159868 |
| 145 | 2.161368 |
| 145.5 | 2.162863 |
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| 146.5 | 2.165838 |
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| 147.5 | 2.168792 |
| 148 | 2.170262 |
| 148.5 | 2.171726 |
| 149 | 2.173186 |
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| 151 | 2.178977 |
| 151.5 | 2.180413 |
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| 153 | 2.184691 |
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| 154 | 2.187521 |
| 154.5 | 2.188928 |
| 155 | 2.190332 |
| 155.5 | 2.19173 |
| 156 | 2.193125 |
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| 157.5 | 2.197281 |
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| 160 | 2.20412 |
| 160.5 | 2.205475 |
| 161 | 2.206826 |
| 161.5 | 2.208173 |
| 162 | 2.209515 |
| 162.5 | 2.210853 |
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| 163.5 | 2.213518 |
| 164 | 2.214844 |
| 164.5 | 2.216166 |
| 165 | 2.217484 |
| 165.5 | 2.218798 |
| 166 | 2.220108 |
| 166.5 | 2.221414 |
| 167 | 2.222716 |
| 167.5 | 2.224015 |
| 168 | 2.225309 |
| 168.5 | 2.2266 |

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| 176.5 | 2.246745 |
| 177 | 2.247973 |
| 177.5 | 2.249198 |
| 178 | 2.25042 |
| 178.5 | 2.251638 |
| 179 | 2.252853 |
| 179.5 | 2.254064 |
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| 180.5 | 2.256477 |
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| 181.5 | 2.258877 |
| 182 | 2.260071 |
| 182.5 | 2.261263 |
| 183 | 2.262451 |
| 183.5 | 2.263636 |
| 184 | 2.264818 |
| 184.5 | 2.265996 |
| 185 | 2.267172 |
| 185.5 | 2.268344 |
| 186 | 2.269513 |
| 186.5 | 2.270679 |
| 187 | 2.271842 |
| 187.5 | 2.273001 |

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|---|---|
| 188 | 2.274158 |
| 188.5 | 2.275311 |
| 189 | 2.276462 |
| 189.5 | 2.277609 |
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| 190.5 | 2.279895 |
| 191 | 2.281033 |
| 191.5 | 2.282169 |
| 192 | 2.283301 |
| 192.5 | 2.284431 |
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| 193.5 | 2.286681 |
| 194 | 2.287802 |
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| 197.5 | 2.295567 |
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| 198.5 | 2.297761 |
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| 199.5 | 2.299943 |
| 200 | 2.30103 |

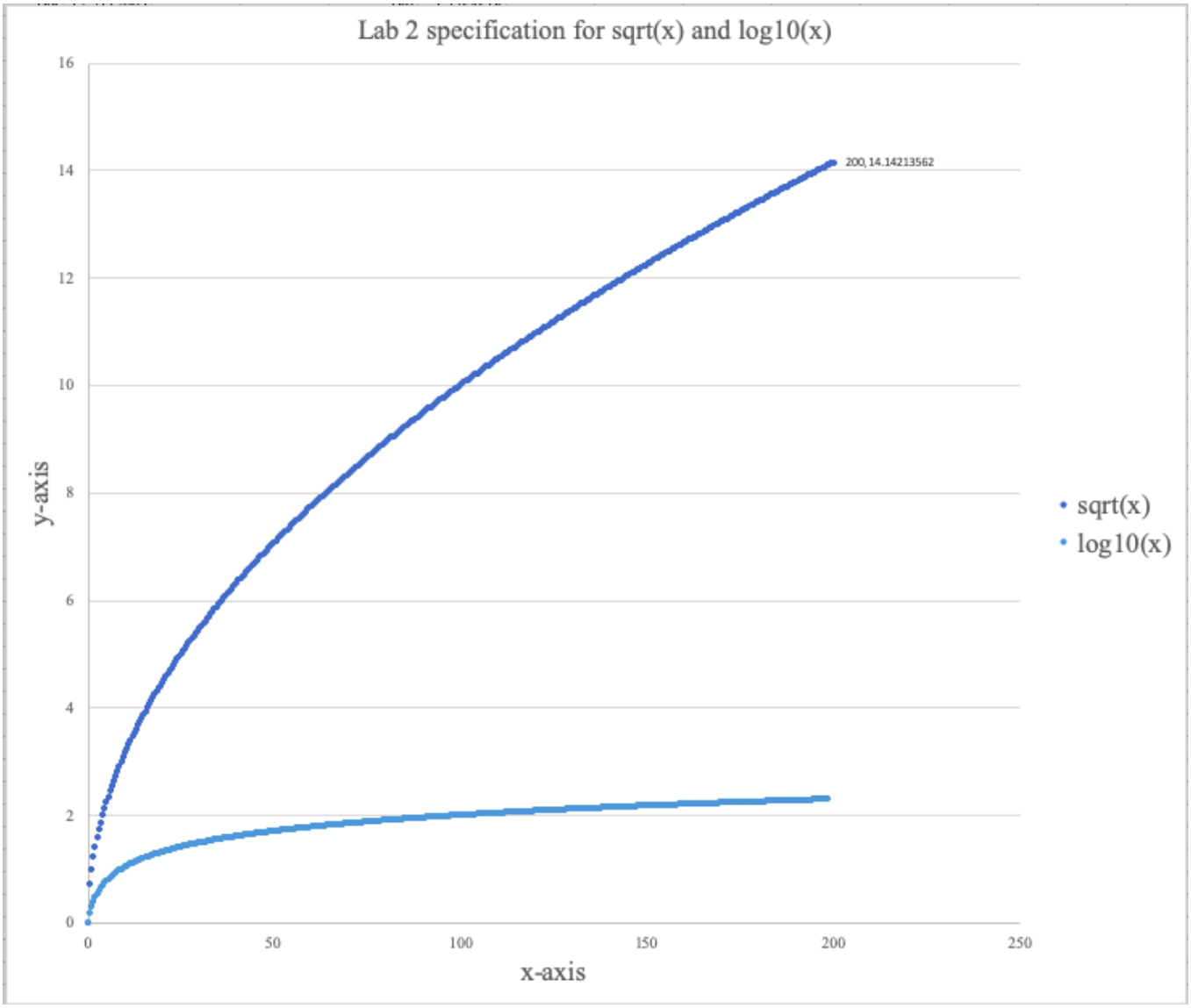

Figure 9. sqrt(x) and log10(x) graph from the above set of points