

```

1 /Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/bin/java -Didea.launcher.port=7550 "-Didea.launcher.bin.path=/
Applications/IntelliJ IDEA 14.app/Contents/bin" -Dfile.encoding=UTF-8 -classpath "/Users/1834software/Documents/CSC222Labs/
nthRoots/bin:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/lib/ant-javafx.jar:/Library/Java/JavaVirtualMachines/jdk1.
8.0_40.jdk/Contents/Home/lib/dt.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/lib/javafx-mx.jar:/Library/Java/
JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/lib/jconsole.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/
lib/packager.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/lib/sa-jdi.jar:/Library/Java/JavaVirtualMachines/jdk1.8.
0_40.jdk/Contents/Home/lib/tools.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/charsets.jar:/Library/Java/
JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/deploy.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/
jre/lib/javaws.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/jce.jar:/Library/Java/JavaVirtualMachines/jdk1.
8.0_40.jdk/Contents/Home/jre/lib/jfr.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/jfxswt.jar:/Library/Java/
JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/jsse.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/
lib/management-agent.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/plugin.jar:/Library/Java/
JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/resources.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/
Home/jre/lib/rt.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/ext/cldrdata.jar:/Library/Java/
JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/ext/dnsns.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/
Home/jre/lib/ext/jfxrt.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/ext/localedata.jar:/Library/Java/
JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/ext/nashorn.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/
Home/jre/lib/ext/sunec.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/ext/sunjce_provider.jar:/Library/Java/
JavaVirtualMachines/jdk1.8.0_40.jdk/Contents/Home/jre/lib/ext/sunpkcs11.jar:/Library/Java/JavaVirtualMachines/jdk1.8.0_40.jdk/Contents
/Home/jre/lib/ext/zipfs.jar:/Users/1834software/Downloads/commons-math3-3.4.1/commons-math3-3.4.1.jar:/Users/1834software/
Downloads/commons-math3-3.4.1/commons-math3-3.4.1-javadoc.jar:/Applications/IntelliJ IDEA 14.app/Contents/lib/idea_rt.jar" com.
intellij.rt.execution.application.AppMain nthRoots.DrawNthRoots
2 Console output is saving to: /Users/1834software/Documents/CSC222Labs/nthRoots/log.txt
3 Starting Lab 3...
4 (1.0, 0.0) (1.0, 0.0) (1.0, 0.0) (1.0, 0.0) (1.0, 0.0) (1.0, 0.0) (1.0, 0.0) (1.0, 0.0)
5 (1.0, 0.0) (0.7071067811865476, -0.7071067811865475) (6.123233995736766E-17, -1.0) (-0.7071067811865475, -0.
7071067811865476) (-1.0, -1.2246467991473532E-16) (-0.7071067811865477, 0.7071067811865475) (-1.8369701987210297E-
16, 1.0) (0.7071067811865474, 0.7071067811865477)
6 (1.0, 0.0) (6.123233995736766E-17, -1.0) (-1.0, -1.2246467991473532E-16) (-1.8369701987210297E-16, 1.0) (1.0, 2.
4492935982947064E-16) (3.061616997868383E-16, -1.0) (-1.0, -3.6739403974420594E-16) (-4.286263797015736E-16, 1.0)
7 (1.0, 0.0) (-0.7071067811865475, -0.7071067811865476) (-1.8369701987210297E-16, 1.0) (0.7071067811865477, -0.
7071067811865474) (-1.0, -3.6739403974420594E-16) (0.7071067811865466, 0.7071067811865485) (5.51091059616309E-16, -1
.0) (-0.7071067811865474, 0.7071067811865477)

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8 (1.0, 0.0) (-1.0, -1.2246467991473532E-16) (1.0, 2.4492935982947064E-16) (-1.0, -3.6739403974420594E-16) (1.0, 4.
898587196589413E-16) (-1.0, -6.123233995736766E-16) (1.0, 7.347880794884119E-16) (-1.0, -8.572527594031472E-16)
9 (1.0, 0.0) (-0.7071067811865477, 0.7071067811865475) (3.061616997868383E-16, -1.0) (0.7071067811865466, 0.
7071067811865485) (-1.0, -6.123233995736766E-16) (0.7071067811865475, -0.7071067811865477) (-2.6948419387607653E-15
, 1.0) (-0.7071067811865461, -0.7071067811865489)
10 (1.0, 0.0) (-1.8369701987210297E-16, 1.0) (-1.0, -3.6739403974420594E-16) (5.51091059616309E-16, -1.0) (1.0, 7.
347880794884119E-16) (-2.6948419387607653E-15, 1.0) (-1.0, -1.102182119232618E-15) (-4.904777002955296E-16, -1.0)
11 (1.0, 0.0) (0.7071067811865474, 0.7071067811865477) (-4.286263797015736E-16, 1.0) (-0.7071067811865474, 0.
7071067811865477) (-1.0, -8.572527594031472E-16) (-0.7071067811865461, -0.7071067811865489) (-4.904777002955296E-16
, -1.0) (0.7071067811865505, -0.7071067811865446)
12
13 Process finished with exit code 0
14
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