Conditionals and Loops lab

_____ 20 Bits

    _____ 5 `Bits.java` compiles successfully

    _____ 5 correct output to all sample commands, that is, for arguments equal to 0, 1, 2, 4, 8, 16, 1000, and -23.

    _____ 5 correct output to `java Bits n` for other `n`'s

    _____ 5 style issues (good comments, meaningful variable names, appropriate indentation, etc.)

_____ 20 Noon snooze

    _____ 5 `NoonSnooze.java` compiles successfully

    _____ 5 correct output to the commands `java NoonSnooze n` for `n` equal to 50, 100, 720, and 11111

    _____ 5 correct output to `java NoonSnooze n` for other `n`'s

    _____ 5 style issues (good comments, meaningful variable names, appropriate indentation, etc.)

_____ 20 A drunkard's walk (a)

    _____ 5 `RandomWalker.java` compiles successfully

    _____ 5 correct output to the commands `java RandomWalker 10` and `java RandomWalker 20`

    _____ 5 correct output to the command `java RandomWalker n` for varying `n`

    _____ 5 style issues (good comments, meaningful variable names, appropriate indentation, etc.)

_____ 20 A drunkard's walk (b)

    _____ 5 `RandomWalkers.java` compiles successfully

    _____ 5 correct output to the commands `java RandomWalkers N T` for varying `N`, `T`

    _____ 5 correct hyphthesis on how the mean squared distance grows as a function of `N`

    _____ 5 style issues (good comments, meaningful variable names, appropriate indentation, etc.)

_____ 20 Dice and the Gaussian distribution

    _____ 5 `TenDice.java` compiles successfully

    _____ 5 correct output to the command `java TenDice 1000`

    _____ 5 correct output to the commands `java TenDice n` for varying `n`

    _____ 5 style issues (good comments, meaningful variable names, appropriate indentation, etc.)

_____ **TOTAL**