

Student Name/ID#: \_\_\_\_\_

Total Score:

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CARLISLE HIGH SCHOOL - HU-RASPBERRY PI: SECTION 1

## 1.2 Pi Terminal (aka Command-line)

QUESTION 1

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Updating/upgrading your Raspberry Pi operating system and apps should be done regularly to install bug fixes and security patches.

Always reboot your system after installing updates!

There are subtle differences between the commands used to update the Pi from the terminal. Investigate them online and then match each command to its function.

A

`sudo apt-get update`

B

`sudo apt-get upgrade`

C

`sudo apt-get dist-upgrade`

1

This is used to download and install the newest versions of all packages currently installed on the system. It has a smart conflict resolution system, so it will install updates for the most important packages at the expense of less important ones if necessary. Because it intelligently handles changing dependencies with new versions of packages, it may remove some packages that are redundant or conflicting.

2

This is used to download and install the newest versions of all packages currently installed on the system. Under no circumstances are currently installed packages removed, or packages not already installed retrieved or installed. New versions of currently installed packages that cannot be upgraded without changing the install status of another package will be left at their current version.

3

This will resynchronize the package index files and update the package repository to the newest version, ensuring that the packages you install are up-to-date. It does not download or install updates. This command must be run before upgrade commands so that apt-get knows that new versions of packages are available.

QUESTION 2

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