Christian Angel Arroyo

**LAB #2**

Part #1:

|  |  |
| --- | --- |
|  | Ohms’ Law |
|  | 3ф- Power |
|  | Resistors in Series |
|  | Resistors in Parallel |
|  | 2- Resistors in Parallel |

Part #2:

|  |  |  |
| --- | --- | --- |
| PRICE | PRODUCT1 | PRODUCT2 |
| 100 | 1500 | 9000 |
| 200 | 2000 | 8000 |
| 300 | 2500 | 7000 |
| 400 | 3000 | 6000 |
| 500 | 3500 | 5000 |

Part #3:

Part #4:

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Part #5:

Part #6:

Part #7:

| **Item** | **Category** | **Qty** | **Image** | **Description** | **Cost** |
| --- | --- | --- | --- | --- | --- |
| [Parrot AR.Drone 2.0 Elite Edition](https://www.parrot.com/us/drones/parrot-ardrone-20-elite-edition#parrot-ardrone-20-elite-edition) | Drone | 1 | product-teaser | Parrot AR.Drone 2.0 Elite Edition allows you to see the world from above and to share your photos and videos on social networks instantly. It manoeuvres intuitively with a smartphone or tablet and offers exceptional sensations right from take-off. | $249.99 |
| [Samsung Galaxy S7](https://www.metropcs.com/shop/phones/details/Samsung-Galaxy-S7/610214645791) | Phone | 1 | Phone | The Galaxy S7 is the smartphone your life can’t do without. It’s big on screen and slim on profile. And with an IP68 rating that protects it from spills, splashes and even dunks, you can forget about searching the internet for magical solutions to dry out your smartphone. When the sun sets and the fun starts, the world’s first dual-pixel smartphone camera makes capturing low-light photos a breeze. With fast charging, the Galaxy S7 powers up from 0 to 100% in no time. Samsung Galaxy S7. Hello Progress. | $649.00 |
| [LG K10](https://www.metropcs.com/shop/phones/details/LG-K10/610214646453) | Phone | 1 | http://s.tmocache.com/content/dam/tmo/en-p/cell-phones/lg-k10/all/stills/carousel-lg-k10-all-380x380-1.jpg | YOU MAKE YOUR OWN RULES Be fearless and trust your intuition. Capture life precisely as you see it, and take selfies that reveal the true you — confident and tenacious. Discover extraordinary style and power that’s ready to go… and go. With the LG K10™ in hand, there’s nothing you can’t do. You are unstoppable. | $159.00 |
| [iPhone 6s 16GB Rose Gold](https://www.metropcs.com/shop/phones/details/iPhone-6s-16GB-Rose-Gold/888462500524) | Phone | 1 | Phone | With 3D Touch, Live Photos, 7000 Series aluminum, A9 chip, advanced cameras, 4.7-inch Retina HD display, and so much more, you’ll see how with iPhone 6s, the only thing that’s changed is everything. | $650.00 |
| [HP Pro Slate 12 Tablet](http://store.hp.com/us/en/pdp/business-solutions/hp-pro-slate-12-tablet-k4m16ut-aba) | Tablet | 1 | http://ssl-product-images.www8-hp.com/digmedialib/prodimg/lowres/c04855738.png | Work seamlessly with the HP Pro Slate 12, which runs Android™ Lollipop with native Work Profiles, a feature of Android™ for Work, and has hardware-enabled security, a Qualcomm Snapdragon 800 series processor[1], and an integrated HP Duet Pen.[2] | $569.00 |
| [Flashforge Creator 3D Printer With Dual Extrusion Technology](http://www.staples.com/Flashforge-Creator-3D-Printer-With-Dual-Extrusion-Technology/product_592622) | 3D Printer | 1 | Flashforge Creator 3D Printer With Dual Extrusion Technology | **Using dual extrusion technology, the FLASHFORGE Creator 3D Printer lets you easily print 3D objects with ABS or PLA filament.**  Create accurate 3D models with the FLASHFORGE Creator With Dual Extrusion Technology. This professional-level 3D printer features dual extrusion technology and a heated build plate for improved print quality. It supports a variety of filament materials such as ABS and PLA and can print from an SD card or via USB. | $977.99 |
| [MakerBot Replicator Z18 3D Printer](http://www.staples.com/MakerBot-Replicator-Z18-3d-Printer/product_1678524) | 3D Printer | 1 | MakerBot Replicator Z18 3D Printer | **Massive Build Volume for Expert-level Projects**  With a massive build volume and the best price to performance ratio in the extra-large, professional 3D printer category, the MakerBot Replicator Z18 3D Printer solution is ideal for hands-on and technically adept users. The MakerBot Replicator Z18 seamlessly integrates with the growing MakerBot 3D Ecosystem of hardware, software, materials, and accessories. It’s powered by the userfriendly, app- and cloud-enabled MakerBot OS, enabling you to remotely monitor your important 3D printing projects. Each printer is backed by a standard six-month warranty and includes a one-year MakerBot MakerCare® Protection Plan that can be renewed for up to two additional years. | $6499.00 |
| [Nest Labs 3rd Gen The Learning Thermostat](https://www.walmart.com/ip/46667636?wmlspartner=wlpa&adid=22222222227034048931&wl0=&wl1=g&wl2=c&wl3=72454871072&wl4=pla-140397189872&wl5=9004389&wl6=&wl7=&wl8=&wl9=pla&wl10=8175035&wl11=online&wl12=46667636&wl13=&veh=sem) | Thermo-stat | 1 | Nest Labs 3rd Gen The Learning Thermostat | This Nest Labs 3rd Gen The Learning Thermostat features a thinner, sleeker design with a bigger, sharper display. With Farsight, it lights up when it sees you coming and shows you the time or temperature from across the room. The Nest Labs thermostat is also designed to save energy. You can auto-schedule your temperatures and it will automatically adjust after you leave your home. This device comes complete with a remote control and it is quick and easy to install. It also checks energy history and is compatible with Nest Protect. | $249.00 |
| [Honeywell](http://www.homedepot.com/p/Honeywell-Lyric-Round-Wi-Fi-Programmable-Thermostat-RCH9310WF5003/206587686?gclid=CNbGoqjrrc8CFYIkhgodLtUHag&gclsrc=aw.ds)  [Lyric Round Wi-Fi Programmable Thermostat](http://www.homedepot.com/p/Honeywell-Lyric-Round-Wi-Fi-Programmable-Thermostat-RCH9310WF5003/206587686?gclid=CNbGoqjrrc8CFYIkhgodLtUHag&gclsrc=aw.ds) | Thermo-stat | 1 | Honeywell Lyric Round Wi-Fi Programmable Thermostat | Comfort when you're home. Savings when you're away. Comfort, savings, life. Perfectly in tune. Your life doesn't follow a set schedule. You can control the Honeywell's Lyric Round Wi-Fi Thermostat from anywhere, or let it manage your comfort and savings automatically, so there's no learning curve, no rigid scheduling. Enable geo-fencing, and the Lyric thermostat will automatically adjust based on your smart phone's location. Or, tap the Away button on your thermostat to set the temperature back while you are gone. Resulting in comfort when you are home and savings when you are away. Honeywell Lyric is a Wi-Fi connected platform that simplifies home comfort, security and awareness by controlling all of your connected home products with a single application. Individually, each product performs brilliantly. Together, they're a way to orchestrate life. | $199.00 |