**Criteria and Constraints Sheet**

**Criteria:**

* Maximum of three blades
* The blades must be made out of filament and printed on the MakerBot (Note: if a 3D printer is not available, use recycled materials such as plastic, paper, or aluminum. See “Materials List” for more details)
* You must use the battery and leads to move the vehicle
* You may not push your vehicle at any point
* The racer must travel at least 20 feet
* You must race at least 3 times
* Sketch your vehicle design

**Constraints:**

* Vehicle cannot be bigger than 10 inches long and 8 inches wide
* Blades cannot be thicker than 1 millimeters
* Blades cannot exceed 110 mm by 25 mm in size
* Once your blades are printed, those are the only blades you can use
  + Any modifications made will be on the car itself

Sketch your design here: