Week 4 & 5 Homework – MKZ Sensor Kit, Vehicle Model, Launch Files

1. In the Autoware launch command:

```
ros2 launch autoware_launch run_mkz.launch.xml \
  vehicle_model:=mkz sensor_model:=mkz_sensor_kit \
  map_path:=$HOME/autoware_map/mkz_map/
```

   briefly explain what each of the following tells Autoware to do:

   - vehicle_model:=mkz

   - sensor_model:=mkz_sensor_kit

   - map_path:=$HOME/autoware_map/mkz_map/

2. The "MKZ Autoware Imports" package contains pre-made models, launch files, sensor kits, and a vehicle _____ that connects Autoware with the MKZ's Dataspeed drive-by-wire system.

3. The lesson states that the Ouster, opencv_cam, and Novatel PP6 drivers need to be installed and built specifically in ~/ros2_ws. Describe one or two reasons why you might want a separate driver workspace instead of mixing everything directly into the Autoware workspace.