

8 (d) Wagons come in two different categories: open wagons (without a roof) and closed wagons (with a roof). Closed wagons can be either refrigerated or non-refrigerated.

In an object-oriented programming language, five classes are to be created, named **Wagon**, **OpenWagon**, **ClosedWagon**, **RefrigeratedWagon** and **NonRefrigeratedWagon**.

Draw an inheritance diagram for the five classes.

[3 marks]



