Name: Yuxuan Zhang

Rewrite the following sentences to make them more concise and precise. From Philip Laplante, *Technical Writing: A Practical Guide for Engineers and Scientists*

1. The mechanism will require a substantial amount of redesign.

This mechanism will require an eighty percent redesign.

1. The main housing mechanism as well as the linkage assembly must be thoroughly lubricated.

The main housing mechanism and the connecting rod assembly require 100 percent lubrication.

1. There are many replacement parts available out there.

There are 200 replacement parts outside.

1. Metal fatigue points often can and do result in major system failures.

Metal fatigue points do cause system failures.

1. Once the diagnostic tests are finished without reporting a failure, you are ready to fire up the engine.

At the end of the diagnostic test, no faults are reported then the engine can be started.

1. During the give-and-take session with the customer, the following concerns were raised:

During the give-and-take session with the customer, the following three concerns were raised:

1. A repair kit must go along with each unit sold.

A repair kit is must with each unit sold.

1. Using the diagnostic system installed on the main system,

Using the diagnostic system, which is installed on the main system,

1. The possible reasons for a subsystem failure are many fold:

The reasons for a subsystem failure are four fold:

1. After adding six quarts of reagent, the mixture will be more clear.

After adding six quarts of reagent, the mixture will be clear.

1. Each unit will weigh, more or less, 70 kg.

Each unit will weigh about 70 kg.

1. The customer was put off by the latest test trials.

The customer was put off by the test trials in 2022.