Chapter 1: Introduction

Homework Assignment No.1
Due on Monday, February 19, 2024

Students read Chapter 1 of the textbook and solve the following problems from it:
1.2; 1.23; 1.27; 1.63; 1.64;

Also, complete and submit the following problem:

A shaft with a diameter of 6 cm and a length of 45 cm is pulled at a constant speed of 0.4 m/s through a sleeve with a diameter of 6.02 cm. The clearance is filled with oil with a kinematic viscosity of 0.003 m^2/s and a specific gravity (SG) of 0.90. Calculate the amount of force required to pull the shaft.