

Name: ..... Class: 62NK..... TLU ID #: .....

## CHAPTER 2: FLUID STATICS

### Homework Assignment #1

*The deadline for submissions is Monday, March 25, 2024.*

Students complete the problems from your textbook listed below.

Chapter 1: **1.2; 1.23; 1.27;**

Chapter 2: **2.22, 2.27, 2.29, 2.30, 2.35, and 2.47.**

*Also, complete and submit the following problem:*

As shown in the figure below, the inverted U-tube manometer is filled with oil (SG = 0.9) and water. Pipes A and B have a pressure difference of -3 kPa ( $p_A - p_B = -3$  kPa). Calculate the difference reading,  $h$ .

