Name: _____ Date: _____ Course: _____ Professor: _____

F5a Prelab: Pressure and Volume

 Read the lab instructions before answering the questions.

1. Yves is trying to measure the pressure acting on a square platform. He has placed a mass of 30 kg on the disk and he measures the length of one side of the square as 20 cm. What is the pressure Yves should measure?

   (Hint: To calculate the area of the square platform, first convert the side (l) to meters and then use the following equation $A = l^2$)

2. Yves repeats the previous experiment but this time uses a circular platform. He uses the same mass as the previous trial and measures the diameter of the platform as 20 cm. What is the pressure Yves should measure?

   (Hint: To calculate the area of the circular platform, first convert the diameter (d) to meters, second calculate the radius and then use the following equation $A = \pi r^2$)