1. The maximum blood pressure in the upper arm of a healthy person is about 120 mmHg. If a vertical tube open to the atmosphere is connected to the vein in the arm of the person,determine how high the blood will rise in the tube. Take the density of blood to be 1040 kg/m^3

A. 0.45m
B. 2.2 m
C. 1.57 m
D. 0.1m

2. Which of the following terms is the definition of precision?

A. The smallest change in the input of the device that would lead to a change in its output.
B. Freedom from systematic errors.
C. Freedom from random errors.
D. The inverse of reliability.

3. The efficiency of various types of solar collector's _____ with _____ temperature.

A. Increases, decreasing
B. Decreases, increasing
C. Remains same, increasing
D. Depends upon type of collector