EE319K Lecture 6 in class worksheet

Question 1. Assume a switch is interfaced to Port T bit 5. Assume PT5 is initialized as an input. Write assembly code that reads the switch and branches to location ItsSet if the switch is set (PT5 is 1).

Question 2. Write friendly code that makes Port T bit 7 (PT7) an output.

Question 3. Assume PH2 is an output. Write friendly code that clears bit 2 of Port H.

Question 4. How many bits does it take to store the result of two unsigned 8-bit numbers added together?

Question 5. How many bits does it take to store the result of two unsigned 8-bit numbers subtracted?

Question 6. How many bits does it take to store the result of two unsigned 8-bit numbers multiplied together?