Each problem is worth 5 points.

1) Draw a flowchart corresponding to the pseudo-code given below.

Pseudo-code:

If(x > 4)
{
    x = x + 1
}
else
{
    x = x - 1
}
2) Write assembly code corresponding to the flowchart given below. Store i in register R6.

given:

.data
x: .space 2