2a)Char\* datapt parameter is passed to rxfifo\_get and the function will update the contents of datapt to the newest character. The pointer is an input but the contents within the ptr is part of the Output parameters. Call by reference. In r0, address =0x2000035

2b)

2c) is an optional suffix. If *S* is specified, the condition code flags are updated on the result of the operation.

2d) LDR will default to 32 bit loads LDRB specifies an 8 bits load from memory

2e) LDR reads memory, STR stores memory

2f) BX LR is return from sub routine if the LR is the previous pc counter at the location of the calling function. (to distinguish from Interrupts)

2g) passed by value, in r0