

(a)	mov ax, 20	AX = 0014	0000000000100000	
	and ax, 5	AX = 0005	0000000000000101	
			0000000000100101	= 37 ₁₀
(b)	mov al, 20	AX = 0014	0000000000100000	
	and al, al	AX = 0014	0000000000100000	
			0000000000100000	= 32 ₁₀
(c)	mov ax, 15	AX = 000F	0000000000000111	
	mov bx, 5	BX = 0005	0000000000000101	
	or ax, bx		0000000000000111	= 15 ₁₀
(d)	mov al, 3bh	AL = 003B	00111011	
	or al, 3fh	AL = 003F	00111111	
			00111111	= 63 ₁₀
(e)	mov al, 5	AL = 0005	00000101	
	xor al, 14	AL = 001B	00001001	
	xor al, 14	AL = 000B	00001100	
			00001001	
			00001001	= 5 ₁₀

(f)	mov al, 6ah	AL = 006A	01101010	SF = 1
	or al, 99h	AL = 0099	10011001	
	not al		11110111	
			00100100	= 4 ₁₀