Using the MOSFET equation for $v_{DS} << v_{OV}$ fill in the following table.
For which letter (a-i) does this assumption ($v_{DS} << v_{OV}$) not hold.

Constants:

$\varepsilon_{ox} = 3.45 \times 10^{-11}$ [F/m]
$\mu_n = 1350$ [$cm^2/V \cdot s$]

	t_{ox} [nm]	C_{ox} [F/m^2]	W [µm]	L [µm]	k_n' [mA/V^2]	k_n [mA/V^2]	V_t [V]	v_{GS} [V]	v_{OV} [V]	v_{DS} [V]	r_{DS} [Ω]	i_D [mA]
a.	1.9		6.0	0.12			1.2		1.0	0.015		
b.		0.0080	6.6			13.0		5.0	4.5	0.20		
c.		0.0056		0.24		10.0	1.0		-0.2	0.06		
d.			20.0		0.58	17.5	0.3		2.4			9.2
e.				0.07	3.58		0.7	1.8		0.31		75.5
f.		0.01	8.5	0.75				2.6	2.5	0.55		
g.		0.006	7.5	0.20				0.3	-0.6	3.22		
h.	7.9		25.0			13.7	2.1		0.5			4.5
i.		0.004		0.04		21.3		6.5			6.8	179.7