d.) $V_o = V_{in} \cdot \dfrac{D}{\dfrac{nDR_{on}}{RD'} + \dfrac{D'}{n}}$ and $n=2$, $R=10$, $R_{on}=15\,m\Omega$

$$\Delta V_o = V_{in} \frac{\Delta D}{\dfrac{n\Delta D R_{on}}{R(1-\Delta D)} + \dfrac{(1-\Delta D)}{n}} = V_{in} \frac{1.5E\text{-}5}{\dfrac{2(1.5E\text{-}5)(15E\text{-}3)}{10(1-1.5E\text{-}5)} + \dfrac{(1-1.5E\text{-}5)}{2}}$$

$$\Delta V_o = 3E\text{-}5\ V_{in}$$