$$\Rightarrow \Delta R_{Thermal} = R_o \alpha \Delta T$$

$$= 5000\,(1\times10^{-4})\,(10)$$

$$= 5\ \Omega$$

$$R_s = 29.739 + 5 = 24.739\ \Omega$$

$$v_o = 10\left(\frac{14975.261}{14975.26} - \frac{1}{3}\right)$$

$$= 0.011\ V = 11\ mV$$

$$\%\ Error = \left|\frac{13.33 - 11}{13.33}\right| = \frac{2.32}{13.333} = 17.4\%$$