$$Co = 299$$
 792 458 m/s mit $V = 5/t$
 $n = 1.000272$
 $\Rightarrow V_{K} = c_{0}/n = 299$ 710 936. 625 m/s
(a) $t_{1} = 5.00ns = 5 \times 10^{-9} s$
 $s_{5} = (Co - V_{6}) \cdot t_{1} = 81521.375 m/s \cdot 5 \times 10^{-9} s$

Aufgabe ol. 1.

$$\begin{array}{rcl}
& 24.08 \times 10^{-4} \text{ m.} \\
(b) & t_2 = \frac{1}{V_K} - \frac{1}{Co} = \frac{2145 \text{ m}}{299710936.625 \text{ m/s}} - \frac{2145 \text{ m}}{299792458 \text{ m/s}} \\
&= 7.1589 \times 10^{-b} = 7.15495 \times 10^{-b} =$$

= 0.00195 X 10-6 miles 3

= 1.95 x 10 -9 5

= 4.07606875x105x10-9 m