

$$(1) \quad \begin{array}{lll} \text{a)} & \begin{array}{l} \vdots \\ a_n = 3n+1 \\ S_9 = 45 \end{array} & \text{b)} \quad \begin{array}{l} \vdots \\ a_n = 2n-1 \\ S_{35} = 1225 \end{array} & \text{c)} \quad \begin{array}{l} \vdots \\ a_n = 2n+20 \\ S_{12} = 396 \end{array} \end{array}$$

$$(2) \quad \begin{array}{ll} \text{a)} & S_{500} = 250'000 \\ \text{b)} & \begin{array}{l} \text{Anzahl} = 2 \cdot S_{12} \\ = 156 \end{array} \end{array}$$

$$(3) \quad \begin{array}{ll} \text{a)} & S_{10} = \frac{1}{4} \cdot 0.999\dots \\ \text{b)} & S_{\infty} = \frac{1}{4} \end{array}$$

$$(4) \quad \begin{array}{lll} \text{a)} & 0.\overline{22} = \frac{2}{9} & \text{b)} \quad 0.\overline{44} = \frac{4}{9} & \text{c)} \quad 0.\overline{35} = \frac{35}{99} \end{array}$$

$$(5) \quad \text{Strecke} = 3 \text{ m}$$