We have next system of the equations:

$$\begin{cases} v\cdot\sin\alpha\cdot t=1.44 \\ v\cdot\cos\alpha\cdot t=9 \\ v\cdot\sin\alpha-g\cdot t=0 \end{cases}\Rightarrow\begin{cases} \tan\alpha=\dfrac{1.44}{9} \\ v\cdot\cos\alpha\cdot t=9 \\ v\cdot\sin\alpha\cdot t=1.44 \end{cases}\Rightarrow$$

$$\Rightarrow\begin{cases} \alpha=\arctan\left(\dfrac{1.44}{9}\right)=9.1^\circ \\ v=\dfrac{1.44}{\sin\alpha\cdot t}=\dfrac{9.11}{t}; \\ \dfrac{1.44}{t}-9.8\cdot t=0 \end{cases}\Rightarrow\begin{cases} \alpha=9.1^\circ \\ v=\dfrac{9.11}{t}; \\ 1.44-9.8\cdot t^2=0 \end{cases}\Rightarrow\begin{cases} \alpha=9.1^\circ \\ t=0.38 \\ v=\dfrac{9.11}{t}=\dfrac{9.11}{0.38}=23.8 \end{cases}$$

Answer: initial speed is 23.8 m/s and angel is 9.1 degree (9.1 degree north of east).