$\qquad$

1) Write the following mathematical statement as an English sentence:

$$
\forall_{x \geq 0}(2 x \in 2 \mathbb{Z})
$$

For all $x$ at least $0,2 x$ is even.
2) Sketch a proof of the following fact:

$$
\exists_{x \in \mathbb{Z}}\left(\frac{x}{7} \in \mathbb{Z}\right)
$$

Choose $x=21$. Then we get:

$$
\frac{21}{7}=3 \in \mathbb{Z}
$$

