

Name _____ Transitions, Quiz 2

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

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

2) Sketch a proof of the following fact:

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