1. Write the negation of the statement below. Do not use a conditional statement within your answer.

\[ \forall x \in \mathbb{R}, \text{ if } x > 3, \text{ then } x^2 > 9. \]

Answer:

2. Write the negation of the statement below. Begin your answer with “∃”.

\[ \forall \text{ odd numbers } n, \exists k \in \mathbb{Z} \text{ such that } n = 2k + 1. \]

Answer: ∃