Quiz #3

Points: There are two problems on this quiz; each is worth 5 points.

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 "$\exists$".

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

Answer: [$\exists$]