14. Determine the truth value of each of these statements if the domain consists of all real numbers.
   a) \( \exists x (x^3 = -1) \)  \hspace{1cm} b) \( \exists x (x^4 < x^2) \)
   c) \( \forall x ((-x)^2 = x^2) \)  \hspace{1cm} d) \( \forall x (2x > x) \)

16. Determine the truth value of each of these statements if the domain of each variable consists of all real numbers.
   a) \( \exists x (x^2 = 2) \)  \hspace{1cm} b) \( \exists x (x^2 = -1) \)
   c) \( \forall x (x^2 + 2 \geq 1) \)  \hspace{1cm} d) \( \forall x (x^2 \neq x) \)