

NAME: _____ UTEP-ID: _____
MATH 4303 Quiz 1 Spring 2026

Question 1 (5 points) Show that $\sqrt{2} + \sqrt{3}$ is an algebraic number.

Question 2 (5 points) Show that the two open intervals $(0, 2)$ and $(-1, 3)$ have the same cardinality.