True or False?

1. Every elementary row operation is reversible.
2. A 5×6 matrix has six rows.
3. A solution set of a linear system involving variables $x_1, \ldots, x_n$ is a list of numbers, $(s_1, \ldots, s_n)$ that makes each equation in the system a true statement when the values of $s_1, \ldots, s_n$ are substituted for $x_1, \ldots, x_n$ respectively.
4. Two fundamental questions about a linear system involve existence and uniqueness.

True or False?

1. Two matrices are row equivalent if they have the same number of rows.
2. Elementary row ops on an augmented matrix never change the solution set of the associated linear system.
3. Two equivalent linear systems can have different solution sets.
4. A consistent system of linear equations has one or more solutions.