## One, No or Infinite Solutions Algebraic Solutions

Big Ideas: Solving a system algebraically can indicate how many solutions a system has.

One Solution: Will produce one answer that is true at one point, such as, x = 7.

No Solution: Will produce an <u>untrue</u>, or ridiculous answer, such as, 5 = 8.

Infinite Solution: Will produce an answer that is <u>always true</u>, such as 4 = 4.

Examples: Find how many solutions each equation has.