

- A system of linear equations is called consistent if it has at least one solution. otherwise it is inconsistent.
- A system of linear equations with real coefficients has either
  - a) unique solution
  - b)  $\infty$  solutions
  - c) no solution (inconsistent)
- Two linear systems are called equivalent if they have the same solution sets.

ex.  $x - y = 1$        $x - y = 1$   
        $x + y = 3$        $y = 1$