

## Section 13.1 Worksheet: Vectors in the Plane

1. This section introduces lots of vocabulary that we're going to need. Define the following terms:
  - (a) position vector
  - (b) magnitude of a vector
  - (c) components of a vector
  - (d) scalar
  - (e) linear combination of vectors
  - (f) unit vector
2. There are also many ideas that we're introduced to, which will be generalized to higher dimensions. Define each of the following:
  - (a) vector addition
  - (b) scalar multiplication
  - (c) The triangle inequality