1. Pictorial Representation
   __ coordinate axes
   __ sketch of situation, labeled with symbols

List known quantities:

List unknown quantities:

2. Physical Representation
   __ describe the constraint:
   __ force diagram for each object, listing agent for each force
   __ net force points in direction of acceleration

3. Mathematical Representation
   Apply Newton's second law in component form and solve.
   Avoid plugging in numerical values until necessary.

4. Evaluation
   __ correct sign?
   __ appropriate units?
   __ reasonable magnitude?