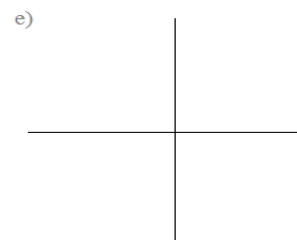
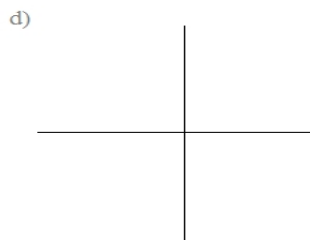
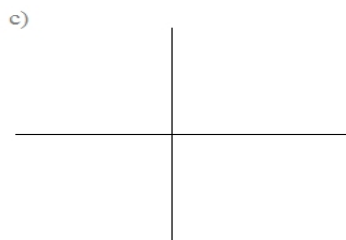
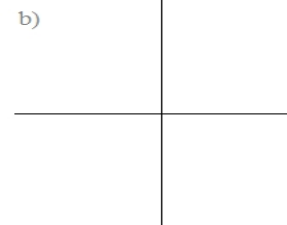
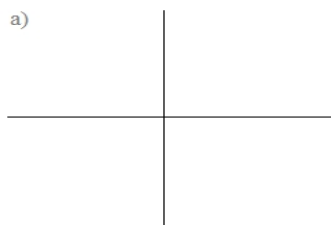


4) sketch examples of the following systems:

- a) 2 conics; two solutions
- b) 2 conics; three solutions
- c) circle and ellipse; four solutions
- d) line and hyperbola; one solution
- \*\*e) 2 conics; eight solutions



5) Solve the following system (algebraically).  
Then, sketch the system and verify the solutions.

$$x^2 + y^2 + 8x = -15$$

$$9x^2 + 25y^2 = 225$$

