Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Section\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Part 1: Given the following expressions for Y(s) find y(t)

* 2. hint complete square
  3. repeated roots

Part 2: For the following problems solve the IVP - be careful of initial conditions and coefficients which change in each problem

* 1. y’(0) = -4, y(0) = 1
  2. y’(0) = 1, y(0) = 1
  3. y’(0) = 1, y(0) = 1
  4. y’(0) = 0, y(0) = 0
  5. y(0) = 1