ESP Quiz 1 (Kouba)

Please PRINT name here: ________________________________

This quiz is due next Tuesday at the beginning of ESP lab. Show your work.

1.) (10 pts. each) Solve the following systems of equations.

   a.) \[ 3x + 2y = 7 \]
       \[ x - 5y = 8 \]

   b.) \[ x^2y - 2x^3 = 0 \]
       \[ xy + y^2 - 4 = 0 \]

2.) (10 pts. each) For what values of \( x \) are the following functions defined?

   a.) \( y = \ln(2x - 4) \)

   b.) \( y = \sqrt{\frac{x^2 - 4}{x^2 - 1}} \)