

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.)
$$\begin{aligned} 3x + 2y &= 7 \\ x - 5y &= 8 \end{aligned}$$

b.)
$$\begin{aligned} x^2y - 2x^3 &= 0 \\ xy + y^2 - 4 &= 0 \end{aligned}$$

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

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

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