

Augmented Matrix.

Fall 2016

Attendance Quizzes

August 26, 2016

Quiz 1 Augmented Matrix.

- ① Suppose that we let x, y be the variables. Construct an augmented matrix with title row $(x \ y \mid RHS)$ from the following linear equations:

$$2y + 3x = 7, \quad 2x - 5y = 10.$$

Answer:
$$\left(\begin{array}{cc|c} x & y & RHS \\ \hline 3 & 2 & 7 \\ 2 & -5 & 10 \end{array} \right)$$

- ② Give an example of a **non linear** equation in variables x, y .
Answer: Many possible answers. Example: $xy = 3$.