

# MA 109: September 14

Systems of Equations

Start of Class

Instructor Information

Name:

Email:

Office Hours:

Warm-up Questions

## Notes

**Example:** Solve the following system of equations using substitution.

$$\begin{cases} y - 3x = 5 \\ 9 = -x + 4y \end{cases}$$

Now, we want to check our work.

**Example:** Solve the following system of equations

$$\begin{cases} y = -3x + 5 \\ 9 = y + 3x \end{cases}$$

**Example:** Solve the following system of equations.

$$\begin{cases} y = -3x + 5 \\ 5 = y + 3x \end{cases}$$

## Summary

## End of Class

Write a summary of what you learned today:

What questions do you have about the material from today?

What do you need to do between now and the next class meeting?