

LA Session - Solving Linear Integer Equations

- 1) Find all integer solutions to the equation $847x + 539y = 7$.
- 2) (a) Find all integer solutions to the equation $108x + 47y = 1$.
(b) Find all integer solutions to the equation $108x + 47y = 9$.
(c) Find $47^{-1} \pmod{108}$. (Note: Answer must be in between 0 and 107, inclusive.)