## HAT Quadratic Transformations and Inequalities 9/27/17

Use substitution to verify (5-2i) is a solution to the equation  $x^2 + 29 = 10x$  $(5-2i)^{2}+29=10(5-2i)$ (5-2i)(5-2i) + 29 = 50-20i $25 - 10i - 10i + 4i^{2} + 29 = 50 - 20i$ 50-20i = 50-20i











