

1116-VN-2566      **Elijah Miguel Allen\*** (pupilofyah@gmail.com). *Getting prime numbers from polynomials.*

Given an admissible set,  $\mathcal{F}$ , of polynomials and a positive integer  $k$ , there exist an integer  $n$  such that for each prime  $\leq k$  that prime is not a divisor of  $f(n)$ , for all  $f \in \mathcal{F}$ . Further more, if  $n$  is less than a bound calculated from the first prime larger than  $k$  then the each  $f(n)$  is a prime number.

In this talk we will discuss how the author plans to show that for large enough  $k$  that there will exist  $n$  that gives us a set of primes for  $\mathcal{F}$ . (Received September 22, 2015)