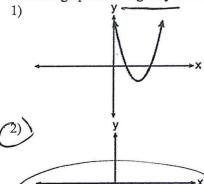
Deal Zeos hit the x-axis Imaginaly zeos dop't

Name SCH QUSK9 Mr. Schlansky

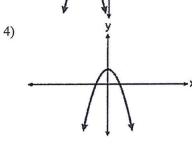
Date _____Algebra II

Imaginary Zeros

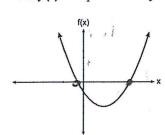
1. Which graph has imaginary roots?



3) y x x 4)

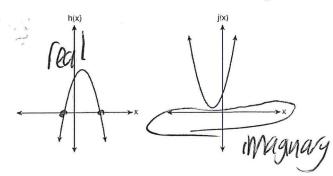


2. If f(x) is represented by the graph below, Does f(x) have imaginary roots? Explain your answer.



No. the roots are real because the Graph hits the x-axis

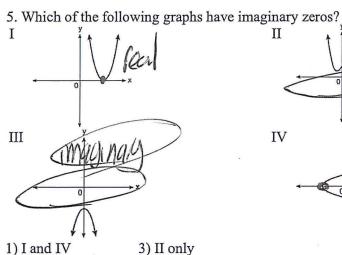
- 3. Which quadratic functions have imaginary roots?
- 1) h(x) only
- (x) only
 - 3) Both j(x) and h(x)
 - 4) Neither j(x) or h(x)

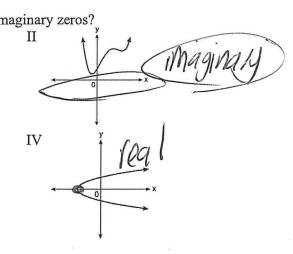


4. Does the equation $x^2 - 4x + 13 = 0$ have imaginary solutions? Justify your answer.

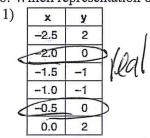
type into 4=

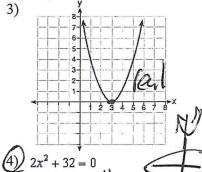
igs, the graph doesn't tach the x-axis





- 2) Il and III
- 3) II only 4) III and IV
- 6. Which representation of a quadratic has imaginary roots?





Y=2(x+3)2-64

7. Which graph could represent a 4th degree polynomial function with a positive leading coefficient, 2 real zeros, and 2 imaginary zeros?

