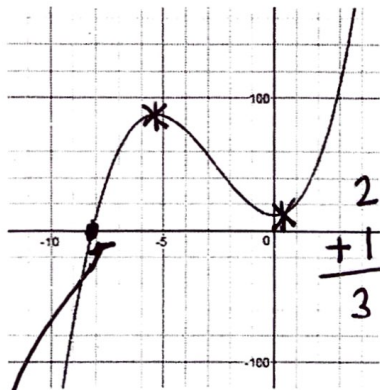


Math 3 Unit 2: Fundamental Theorem of Algebra

P.12-WA!

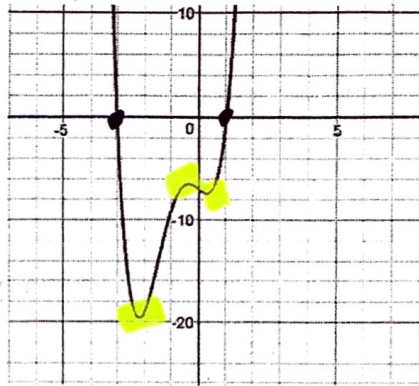
State the degree of the polynomial functions graphed below. Then state the number of real and imaginary roots.



Degree 3

of real roots 3 } (# x-int.)

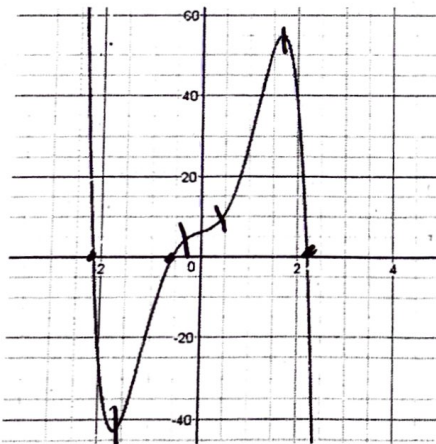
of imaginary roots 0 } + = degree
(always in pairs)



Degree 4 3 turns + 1 = 4

of real roots 4 } (x-int.)

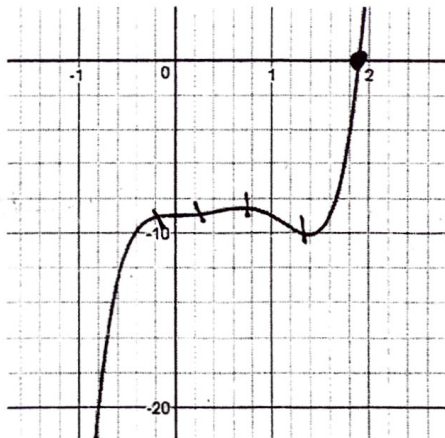
of imaginary roots 0 } + = 4 (degree)



Degree 5 4 + 1

of real roots 5 } + = degree

of imaginary roots 0



Degree 5

of real roots 5 } + = degree

of imaginary roots 0