Answer on Question #42527, Math, Calculus

State how many imaginary and real zeros the function has.

 $f(x) = x^3 - 20x^2 + 123x - 216$

Factor expression: f(x) = (x-9) (x-8) (x-3)The high term shows that function has 3 roots.

Use zero product rule: (x-9) (x-8) (x-3) = 0; x=9;x=8;x=3 **Answer:** 0 imaginary; 3 real