## Answer on Question \#42527, Math, Calculus

State how many imaginary and real zeros the function has.
$f(x)=x^{3}-20 x^{2}+123 x-216$

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

