

Name \_\_\_\_\_ Student No. \_\_\_\_\_ G\_\_\_\_/\_\_\_\_ Date: \_\_\_\_\_ Score: \_\_\_\_\_  
Nickname: \_\_\_\_\_ Quiz No.: \_\_\_\_\_

## Graphing Polynomial

**A. Identify the properties of the given polynomial equation then sketch its graph.**

1)  $f(x) = -x^3 + x^2 + x - 1$

2)  $f(x) = 2x^4 + 11x^3 + 18x^2 + 4x - 8$

FTA:  
Factored form:  
Actual roots:  
End Behavior:

FTA:  
Factored form:  
Actual roots:  
End Behavior:

Graph:

Graph: