

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)  $f(x) = x^3 + 4x^2 + x - 6$

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

FTA:  
Factored form:  
Actual roots:  
End Behavior:

FTA:  
Factored form:  
Actual roots:  
End Behavior:

Graph:

Graph: