

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)  $f(x) = -x^4 - 3x^3 + 7x^2 + 27x + 18$

FTA:  
Factored form:  
Actual roots:  
End Behavior:

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Factored form:  
Actual roots:  
End Behavior:

Graph:

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