

Name _____ Student No. _____ G ____/____ Date: _____ Score: _____
Nickname: _____ Quiz No.: _____

Graphing Polynomial

A. Give the possible roots (RRT), nature of roots (DRS), number of roots (FTA), factored form, actual roots, end behavior and graph of the given polynomial.

1) $f(x) = -x^4 + 2x^3 + 8x^2 - 18x + 9$

FTA:

Possible Roots: \pm

Factored form:

Actual roots:

End Behavior:

Graph: