

Things to know from Unit 1:

Parent Functions

Domain/Range
x-int/y-int
End Behavior
Increasing/Decreasing

Transformations:

Vertical vs. Horizontal
Shifts
Stretches
Flips

Piecewise Functions:

Graphing
Writing the equation

Things to know from Unit 2:

Adding Polynomials
Subtracting Polynomials
Multiplying Polynomials

Long Division
Synthetic Division

Factoring out GCF
Factoring by Grouping
Factoring Quadratics with L.C. of 1
Factoring Quadratics with L.C. not 1
Special Factoring (perfect cubes)

Things to know from Unit 3:

Finding zeros from factors
Rational Roots Theorem
Testing factors

End Behavior
Zeros
Multiplicities/Types of Intersections
Graphing by hand

Solving Inequalities