Instructional Flow – Unit 4 – Rational Functions

2.6   **Graphs of Rational Functions**

- transformations of the parent function $f(x) = \dfrac{1}{x}$
- analysis of rational functions
- vertical and horizontal asymptotes *including limit theory*
- *end-behavior asymptotes which are not horizontal*
- *removable discontinuities*

2.7   **Solving Equations in One Variable**
- solution of rational equations
- extraneous solutions
- applications

2.8   *Solving Inequalities in One Variable*
- *solution of rational inequalities*
- *applications*

7.4   *Partial Fractions*
- *partial fraction decomposition with linear factors*
- *analysis of rational functions with partial fractions*