**Changes to Math 1021 in 3e Trigsted**

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| **Sec #** | **Changes**  **Note: Some of the new exercises replaced old exercises.** | **2e** | **3e** |
| 1.1 | Renamed section “Linear and Rational Equations”  New objective: Recognizing rational equations  New exercises: 1.1.22-26  Renamed objective “Solving Equations that Lead to Linear Equations” to “Solving Rational Equations that Lead to Linear Equations”  Removed exercise that involved solving an equation that leads to a linear equation that was not a rational equation.  New exercises: 1.1.27, 29, 35 | 44 | 51 |
| 1.4 | New exercises: 1.4.3, 4, 8, 18, 21  New exercises: 1.4.SbS-42,43,44, BE-65 | 37 | 44 |
| 1.6 | New exercises: 1.6.SCE-1, 2, 4, 5, 6, 7, 1.6.SbS- 16, 20 | 35 | 40 |
| 1.7 | New exercises: 1.7.SCE-2, 3, 6, 8, 1.7.13, 14, 16, 21, 28 | 19 | 26 |
| 1.8 | Objective 2- Solving absolute value less than inequalities- and objective 3 – Solving absolute value greater than inequalities - now combined into one objective Solving Absolute value inequalities  New exercises: 1.8.1, 2, 4, 6, 12, 19, 27, 31 | 29 | 35 |
| 2.1 | New objective: Finding intercepts of a graph given an equation  New exercises: 2.1.13, 14, 15, 16 | 25 | 28 |
| 2.2 | New exercises: 2.1.20, 21 (finding intercepts) | 34 | 36 |
| 2.3 | Removed 2.3.RA-4 | 56 | 55 |
| 2.4 | No change | 38 | 38 |
| 12.1 | New exercise: 12.1.28 , removed 12.1.26 | 13 | 13 |
| 3.1 | New exercises: 3.1.7, 65 | 62 | 62 |
| 3.2 | Removed 3.2.RA-3 | 49 | 47 |
| 3.3 | New objective: Sketching the Graphs of Basic Functions with Restricted Domains  New exercises: 3.3.10, 11, 15, 16, 19 (new objective)  New exercises: 25, 27, 28, 31 (given graph of 1 piece of 1 function write function)  New exercise: 3.4.34 (graphing piecewise function) | 28 | 38 |
| 3.4 | New exercises: 3.4.10,12,22,23,35,36,37,38 (given graph, write function)  New objective: Using Transformations to Sketch the Graphs of Piecewise-Defined Functions  New exercises: 3.4.85,87 | 51 | 51 |
| 3.5 | Removed objective 5: Determining the Domain of Composite Functions and exercises 59 and 60 | 21 | 19 |
| 3.6 | New exercise: 3.6.34 | 44 | 44 |
| 4.1 | Objective 2 renamed: Graphing Quadratic Functions written in Vertex Form  Added RA-4 | 37 | 38 |
| 4.2 | No change | 10 | 10 |
| 4.3 | No change | 46 | 46 |
| 4.6 | Added RA-5 (about removable discontinuities) | 40 | 41 |
| 5.1a | Exercises 22-34 are now SbS and you must list 3 points on the graph | 54 | 54 |
| 5.1b | No change | 11 | 11 |
| 5.2 | Removed RA-2 | 62 | 61 |
| 5.3 | No change | 44 | 44 |
| 5.4 | No change | 43 | 43 |
| 5.5 | No change | 16 | 16 |
| Total number of exercises | | 948 | 991 |