Geary Lesson Plans


|  |  |  | Predict the effects of transformations algebraically and graphically, using various methods and tools that may include graphing calculators or other appropriate technology. |
| :---: | :---: | :---: | :---: |
| Learning Targets (list what students should be able to do or understand at each level) |  |  |  |
| 2.0 <br> Can the st <br> - I can <br> expr <br> - I can and help | undational Skills <br> ent: <br> simplify linear polynomial ssions. <br> simplify absolute value radical expressions with | 3.0 Learning Goal/Objective <br> Can the student: <br> - I can simplify and evaluate linear, absolute value and radical expressions. | 4.0 More Complex Knowledge <br> Can the student: <br> - I can simplify and evaluate any algebraic expression to include: <br> $\checkmark$ Linear expressions <br> $\checkmark$ Radical expressions <br> $\checkmark$ Absolute Value expressions <br> $\checkmark$ Non-standard expressions <br> - I can interpret the solutions in context. |
| Assessment \& Monitoring (How will you know you've attained the desired effect?) |  |  |  |
| Constant monitoring. Can the student explain their reasoning? Can the student reproduce independent work? |  |  |  |
| Instructional Strategies/Lesson Activities/Transitions |  |  |  |
| Anticipated Date |  | Assignments | Resources, Materials and Technology Needed |
| 9.21.20 | Review 20 min: <br> - Domain and rang <br> - Evaluating a fun <br> New material: <br> - Determining res | using various styles of notation n at a given point in the domain <br> ctions on the domain | N/A |
| 9.22.20 | Review 10-15 minutes: <br> - Domain and rang <br> - Evaluating a fun <br> - Determining res <br> New material: <br> - Composition of | n at a given point in the domain ctions on the domain <br> ctions | N/A |


| 9.23 .20 | Guided practice for 20 minutes: <br> - Composition of functions Independent practice for the remainder. | N/A |
| :---: | :---: | :---: |
| 9.24.20 | Quiz: <br> - Domain and range | N/A |
| 9.25 .20 | Substitute: <br> - Revolving review: due Monday when you walk in the door. | N/A |
| Adaptations and Accommodations (ELL, Special Education, Gifted, Those without Support) |  |  |
| Hand-picked elbow partners, calculators, additional time on assignments, reduced number of items. |  |  |
| Vocabulary: <br> - Relation <br> - Domain <br> - Function rule <br> - Function notation <br> - Output <br> - Transformation <br> - Simplify <br> - System <br> - Equivalent equations <br> - Function <br> - Range <br> - Restriction <br> - Inverse <br> - Vertical line test <br> - Piecewise function <br> - Evaluate <br> - Solution <br> - Ordered pair <br> - Set <br> - Composite <br> - Input <br> - Solve <br> - Equation <br> - Inverse operation |  |  |

