

## Pre-Calculus District Math Assessments

### Unit 1: Compose and Transform Functions

| Standards | Assessment           | Semester                 |
|-----------|----------------------|--------------------------|
| F.BF.3    | DMA1 Transformations | 1 <sup>st</sup> Semester |
| F.BF.1    | DMA2 Composition     |                          |

### Unit 2: Inverses and Rational Functions

| Standards | Assessment                       | Semester                 |
|-----------|----------------------------------|--------------------------|
| F.BF.4    | DMA3 Inverse Functions           | 1 <sup>st</sup> Semester |
| F.IF.7    | DMA4 Graphing Rational Functions |                          |

### Unit 3: Exponential & Logarithmic Functions

| Standards | Assessment | Semester                 |
|-----------|------------|--------------------------|
|           |            | 1 <sup>st</sup> Semester |

### Unit 4: Series and Conics

| Standards | Assessment                        | Semester                 |
|-----------|-----------------------------------|--------------------------|
| F.BF.1,3  | DMA5 Sequences                    | 1 <sup>st</sup> Semester |
| A.SSE.4   | DMA6 Finite and Infinite Formulas |                          |
| G.GPE.3   | DMA7 Conics                       |                          |

### Unit 5: Unit Circle and Inverse Trigonometry

| Standards | Assessment              | Semester                 |
|-----------|-------------------------|--------------------------|
| F.TF.4    | DMA8 Unit Circle Values | 2 <sup>nd</sup> Semester |

### Unit 6: Graph and Transform Trigonometry

| Standards | Assessment       | Semester                 |
|-----------|------------------|--------------------------|
| F.IF.7    | DMA9 Trig Graphs | 2 <sup>nd</sup> Semester |

### Unit 7: Prove and Use Trigonometry

| Standards | Assessment                | Semester                 |
|-----------|---------------------------|--------------------------|
| G.SRT.11  | DMA10 Uses Trig Functions | 2 <sup>nd</sup> Semester |

### Unit 8: Limits and Coordinate Systems

| Standards | Assessment               | Semester                 |
|-----------|--------------------------|--------------------------|
| N.VM.1    | DMA11 Coordinate Systems | 2 <sup>nd</sup> Semester |
| N.CN.3-5  | DMA12 Complex Numbers    |                          |