Pickens High School Lesson Plan

| = Grade Level: | 10 | Teacher/Room: | G.Culbreth | 211 | Course(s)/ Period(s): | Acc. Analytic Geom. / 2nd 3rd | Week of: | April 24-28 |

Unit Vocabulary: Similar triangles, AA similarity, SAS similarity, SSS similarity, Pythagorean Theorem, Pythagorean Triples, Rational numbers, Irrational numbers, Real numbers, Imaginary numbers

Instructional Strategies Used: Direct instruction, independent study, instruction

Monday	Tuesday	Wednesday	Thursday	Friday
Common Core Standard(s): MGSE9-12.A.SSE.3 A.REI.1 MGSE9-12.A.CED.1 G.CO.9 MGSE9-12.A.CED.2 MGSE9-12.A.CED.4 L9-10RST7	**Common Core Standard(s)** MGSE9-12.A.SSE.3 A.REI.1 MGSE9-12.A.CED.1 G.CO.9 MGSE9-12.A.CED.2 MGSE9-12.A.CED.4 L9-10RST7	**Common Core Standard(s):** MGSE9-12.A.SSE.3 A.REI.1 MGSE9-12.A.CED.1 G.CO.9 MGSE9-12.A.CED.2 MGSE9-12.A.CED.4 L9-10RST7	**Common Core Standard(s):** MGSE9-12.A.SSE.3 A.REI.1 MGSE9-12.A.CED.1 G.CO.9 MGSE9-12.A.CED.2 MGSE9-12.A.CED.4 L9-10RST7	**Common Core Standard(s):** MGSE9-12.A.SSE.3 A.REI.1 MGSE9-12.A.CED.1 G.CO.9 MGSE9-12.A.CED.2 MGSE9-12.A.CED.4 L9-10RST7
Essential Question: How do side ratios in right triangles define trigonometric ratios?	**Essential Question:** How can you use inverse trigonometric functions to solve for the angles in right triangles?	**Essential Question:** How can trigonometric ratios be used to estimate distances when you know an angle of elevation or depression?	**Essential Question:** How do you solve right triangles using trig functions?	**Essential Question:** What properties and theorems about right triangles do I need to know?
Mini Lesson: • Factoring **Activating Strategies:** Questions to teacher **Lesson:** • Trig functions **Resource/Materials:** • Power Point / Electronic Resources • Textbook Materials • Graphic Organizers	**Mini Lesson:** • Factoring **Activating Strategies:** • Questions to teacher **Lesson:** • Finding angles of right triangles **Resource/Materials:** • Power Point / Electronic Resources • Textbook Materials • Graphic Organizers	**Mini Lesson:** • Factoring **Activating Strategies:** • Quick Review **Lesson:** • Angles of depression/elevation **Resource/Materials:** • Power Point / Electronic Resources • Textbook Materials • Graphic Organizers	**Mini Lesson:** • Factoring **Activating Strategies:** • Questions to teacher **Lesson:** • Solving right triangles **Resource/Materials:** • Power Point / Electronic Resources • Textbook Materials • Graphic Organizers	**Mini Lesson:** • Factoring **Activating Strategies:** • Quick Review **Lesson:** • TEST **Resource/Materials:** • Power Point / Electronic Resources • Textbook Materials • Graphic Organizers
Differentiation: *Content/Process/Product:* • Graphic Organizer *Grouping Strategy (if any):* • Flexible Grouping *Assessment Strategy:* • Grouping based on formative assessment	**Differentiation:** *Content/Process/Product:* • Think Pair Share *Grouping Strategy (if any):* • Flexible Grouping *Assessment Strategy:* • Grouping based on formative assessment	**Differentiation:** *Content/Process/Product:* • Graphic Organizer *Grouping Strategy (if any):* • Flexible Grouping *Assessment Strategy:* • Grouping based on formative assessment	**Differentiation:** *Content/Process/Product:* • Think Pair Share *Grouping Strategy (if any):* • Flexible Grouping *Assessment Strategy:* • Grouping based on formative assessment	**Differentiation:** *Content/Process/Product:* • Graphic Organizer *Grouping Strategy (if any):* • Flexible Grouping *Assessment Strategy:* • Grouping based on formative assessment
Assessment : *Formative:* Check homework *Summative:* NA	**Assessment :** *Formative:* Check homework *Summative:* *Check homework*	**Assessment :** *Formative:* Check homework *Summative:* Quiz	**Assessment :** *Formative:* Check homework *Summative:* n/a	**Assessment :** *Formative:* Check homework *Summative:* TEST
Homework: 10.1 22-42 even, 62-65, 68-70 p. 556 2-30 even	**Homework:** 10.2 21-35, 48,50,54,65-68 Handout – proportions	**Homework:** 10.3 10-25, 28-30 Handout – proportions	**Homework:** Ch9/10 rev 1-19, 1-15 17.1 8-14, 27-30	**Homework:** 9.2 9-21, 24,26,30-33 Handout

Resources and Reflective Notes: **LESSON PLANS SUBJECT TO CHANGE**