Topic 6 Outline Lesson Plan - GEOMETRY

**TRIGONOMETRY**

**1/22 Monday – Section 13.1 – Tangent Ratio (MAFS.912.G-SRT.3.6)**

**Essential Question:** How do you find the tangent ratio for an acute angle?

**Vocabulary:** tangent, inverse tangent tan-1

**Classwork:** Evaluate pg. 692-694 # 1-21 odd online

**Home Learning:** Complete section 13.1

**1/23 Tuesday - Section 13.3 – Special Right Triangles (MAFS.912.G-SRT.3.8)**

**Essential Question:** What do you know about the side lengths and the trigonometric ratios in

special right triangles?

**Vocabulary:** Pythagorean triple, 45-45-90 triangle, 30-60-90 triangle

**Classwork:** Evaluate pg. 716-718 # 2-18 evens online

**Home Learning:** Complete section 13.3

**1/24 Wednesday – Long Term Memory Skills EOC Review**

**1/25 – 1/26 Thursday/Friday – Section 13.2 – Sine and Cosine Ratios (MAFS.912.G-SRT.3.6**

**MAFS.912.G-SRT.3.7)**

**Essential Question:** How can you use the sine and cosine ratios, and their inverses,

in calculations involving right triangles?

**Vocabulary:** trigonometric ratios of complementary angles

**Classwork:** Evaluate pg. 703-706 # 2-20 evens online

**Home Learning:** Complete section 13.2

**1/29 – 1/30 Monday/Tuesday – Section 10.4 – Problem Solving with Trigonometry (MAFS.912.G-SRT.3.8)**

**Essential Question:** How can you solve a right triangle?

**Vocabulary:** Area formula

**Classwork:** Evaluate pg. 730-732 # 1-11 all online

**1/31 Wednesday – Long Term Memory Skills EOC Review**

**2/1 Thursday – Topic 6 Assessment**