**Lesson Plan Outline Geometry in Construction**

**Title:**

Radicals in Congruent Forms

Radicals & Pythagorean Theorem Formative Assessment

**Objective(s):**

Student will be able to write radicals in congruent forms.   Students will also be able to estimate radicals without a calculator.   Students will understand the difference between estimates and exact.

**Learning Standard(s):**

[CCSS.MATH.CONTENT.HSG.SRT.C.8](http://www.corestandards.org/Math/Content/HSG/SRT/C/8/)Use trigonometric ratios and the Pythagorean Theorem to solve right triangles in applied problems.\*

**Activities:**

Students will review simplifying radicals & Pythagorean Theorem concepts

Students will find Pythagorean Theorem concepts throughout building; will take pictures and measurements to prove it

Radicals & Pythagorean Theorem Formative Assessment

**Materials:**

Tape Measures

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