**Lesson Plan Outline Geometry in Construction**

**Title:**

Assessment & Slope/Linear Equations Review

**Objective(s):**

Students will be assessed on similarity

Students will review concepts of slope and linear equations

**Learning Standard(s):**

[CCSS.MATH.CONTENT.HSG.SRT.A.2](http://www.corestandards.org/Math/Content/HSG/SRT/A/2/)Given two figures, use the definition of similarity in terms of similarity transformations to decide if they are similar; explain using similarity transformations the meaning of similarity for triangles as the equality of all corresponding pairs of angles and the proportionality of all corresponding pairs of sides.

[CCSS.MATH.CONTENT.HSG.SRT.A.3](http://www.corestandards.org/Math/Content/HSG/SRT/A/3/)Use the properties of similarity transformations to establish the AA criterion for two triangles to be similar.

[*CCSS.MATH.CONTENT.HSG.SRT.B.5*](http://www.corestandards.org/Math/Content/HSG/SRT/B/5/)Use congruence and similarity criteria for triangles to solve problems and to prove relationships in geometric figures.

**Activities:**

Share & get feedback from floor plan design

Similarity Assessment

Slope Review; students will look at two triangles in a coordinate plane and will comment on the slope of various lines in the triangle.

**Materials:**

Similarity Formative Assessment

Slope Quiz