**Assignment # 12**

(UNIT 1 MASTERY)

The purpose of this is to let you know where you are at and what you need more practice at to become a master of Intro Geometry.

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| Skill #1: Naming Points, Lines, Planes & AnglesWhat type of geometric object is this? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Write down all of the names that make sense for this object: | Skill #2: Measuring with a Ruler & Protractor ABCDEFGHIFind the length of segment AD.\_\_\_\_Find the measure of angle DHB:\_\_\_\_\_\_Find the measure of angle DIE:\_\_\_\_\_ |
| Skill #3: Describing Angles and Their Properties1. What two angles are supplementary to angle 7? \_\_\_\_ and \_\_\_\_
2. If the measure of angle 7 were 47°, what would the measure of angle 5 be? \_\_\_\_\_\_\_ How do you know?
3. If the measure of angle 7 were 62°, what would the measure of angle 6 be? \_\_\_\_\_ How do you know?
4. Name **all** of the obtuse angles in the picture.
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| Skill #4: I can convert between different measuring scales Macintosh HD:Users:shirahelft:Dropbox:Screenshots:Screenshot 2014-09-08 13.35.37.png1) If I drive between points P and Q and each marker represents 80 miles, how long is the drive?Skill #5: I can draw lines and plot points according to a description and vice versa1. J is the midpoint of $\overbar{PQ}$. Label it on the diagram.
2. R is the midpoint of $\overbar{JQ}$. Label it on the diagram.
3. BONUS (not counted): What fraction of $\overbar{PQ} $is $\overbar{PR}$
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| Skill #6: I can find the midpoint of a segment1) Find the midpoint of segment $\overbar{AC}$ using any method you want.Skill #7: I can find the distance of diagonal lines on the coordinate plane1) Find the length of segment $\overbar{AC}$ in units (1 unit = 1 human block). No rulers! Write your work on the back. |   |

Skill #8: I can find the area and perimeter of the 4 basic shapes (rectangle, square, triangle, circle)

**You CAN use a resource card for this!**



1) Find the perimeter and area of this triangle.



2) Find the circumference and area of this circle.

**This feedback is given to you so that you can learn from your mistakes**

 **and master these ideas.**

Mastered Skill #1 (Geometric Names) Yes Not Yet

Mastered Skill #2 (Measuring with a ruler/protractor) Yes Not Yet

Mastered Skill #3 (Angle Properties) Yes Not Yet

Mastered Skill #4 (Converting Between Scales) Yes Not Yet

Mastered Skill #5 (Drawing Based On a Diagram) Yes Not Yet

Mastered Skill #6 (Midpoint) Yes Not Yet

Mastered Skill #7 (Distance) Yes Not Yet

Mastered Skill #8 (Area & Perimeter) Yes Not Yet

What’s one thing you are feeling successful at?

What’s one thing you want to make sure to watch out for on Thursday/Friday?