**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.

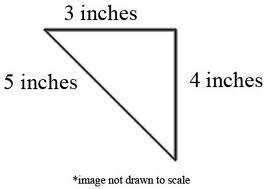
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| Skill #1: Naming Points, Lines, Planes & Angles    What type of geometric object is this? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Write down all of the names that make sense for this object: | Skill #2: Measuring with a Ruler & Protractor  A  B  C  D  E  F  G  H  I  Find the length of segment AD.\_\_\_\_  Find the measure of angle DHB:\_\_\_\_\_\_  Find the measure of angle DIE:\_\_\_\_\_ |
| Skill #3: Describing Angles and Their Properties   1. 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.png  1) 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 versa   1. J is the midpoint of . Label it on the diagram. 2. R is the midpoint of . Label it on the diagram. 3. BONUS (not counted): What fraction of is |

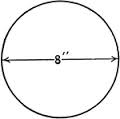
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| Skill #6: I can find the midpoint of a segment  1) Find the midpoint of segment using any method you want.  Skill #7: I can find the distance of diagonal lines on the coordinate plane  1) Find the length of segment in units (1 unit = 1 human block). 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?