Geometry Regents Lomac 2015-2016 **Date** 9/21 **due** 9/22 **Construction Vocabulary** **1.3R**

☐ **DO NOW –** On the back of this packet

Name _____

LO: I can use construction related vocabulary correctly and use the RAC rubric to evaluate constructions.

☐ (1) **Notes:**

notes page, diagrams and scissors, tape or glue

☐ (a) Obtain N5, N6 (the back of N5) and N7, a descriptions strip for each page, scissors, and tape or glue

☐ (b) Cut out the column of descriptions FOR ONLY N5 and match them with the diagrams and terms on the notes page

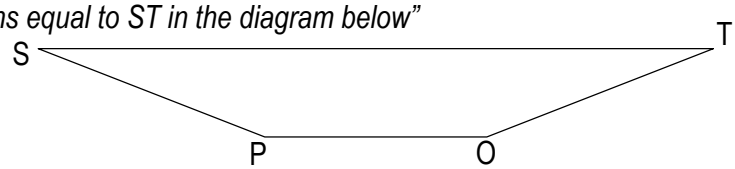
☐ (c) CHECK that you have arranged the descriptions correctly and THEN glue them to the notes page.

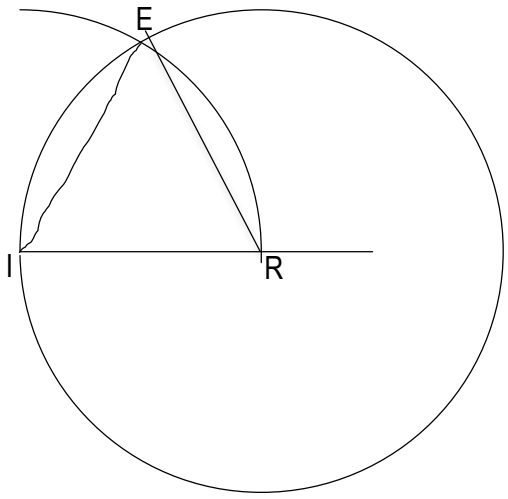
☐ (d) Repeat steps (b) and (c) for N6 and then for N7.

☐ (2) **N8 How can I know if a construction is well executed?**

Use the top rubric (RAC) to evaluate Jeremy's work. Read the problem, look at his work, and score his work for each part of the rubric.

"Construct equilateral triangle IRE with side lengths equal to ST in the diagram below"





SCORES ↓		WHY I assigned this score
Arcs		
Labels		
Lines & Segments		
Distances		

☐ (3) **Exit Ticket**

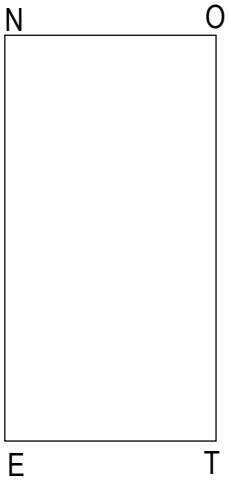
ON THE LAST PAGE

☐ (4) **Homework**

compass

(1) Use your notes pages as flashcards. Study all terms on N1 through N4 and the following words on N5, N6, and N7: congruent, vertex, parallel, perpendicular, and regular

(2) Construct an equilateral triangle that shares side NE with rectangle NETO below:



(3) Construct a segment twice as long as the segment at right: ———————

Start by drawing a segment MUCH longer than you need and then using your compass to mark off two sections that are the length of the segment above.

(4) Use the idea in part (3) above to construct a segment 3 times the length of the segment you constructed in part (3).

Exit Ticket Name_____ Date _____ _____ Per_ _____ 1.3R

Exit Ticket

(1) The LO (Learning Outcomes) are written below your name on the front of this packet. Demonstrate your achievement of these outcomes by doing the following:

(a) Draw and describe what **parallel** means.

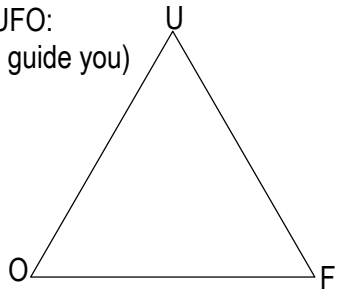
(b) Draw and describe what **vertex** means.

(c) Draw and describe what **perpendicular** means

(d) Draw segments QR and HL and show that they are **congruent**

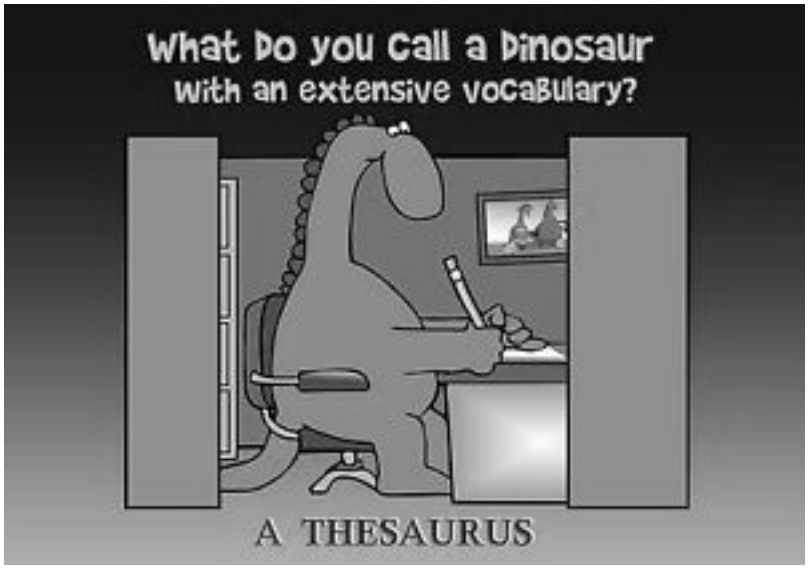
DO NOW **Name**_____ **Date** _____ **Per**_____ **1.3R**

(1) Construct regular hexagon ALIENS with side lengths equal to a side of equilateral triangle UFO:
Start the construction at the point provided below. (You may want to use C1 from your notes to guide you)



•

(2) Describe why the cartoon below is supposed to make people smile. REALLY think about it.



If you need to, please ask what "extensive" or "thesaurus" means.