HONORS GEOMETRY SUMMER ASSIGNMENT June 2018

As per the Program of Studies:

Summer work assignments will be given in AP and Level 1 courses for the purpose of readiness, relevance and rigor. Assignments will be given to students entering grades 9-12 prior to leaving for the summer recess. Assignments will also be posted on the school's website. Students who choose not to do the summer work and drop the AP or level 1 course must do so by 7/12/2018 to ensure scheduling into an alternate level class. (Notification must be in writing directed to the Guidance Chairperson or by email.)

All summer work is due in the high school main office no later than **FRIDAY, AUGUST 17, 2018.** Parents must contact the school administration prior to the due date if extenuating circumstances prevent a student from meeting the deadline. Late assignments will be penalized 20 points each day they are late beginning the Monday following the due date. **This grade will count for 10% of the first term's overall grade.**

The following summer assignment has 37 problems to be equally weighted for a grade of 100%.

Assignments should be clearly marked with (1) your name (2) my name and (3) titled Advanced Geometry Summer Assignment.

Please DO NOT use three-ring binders!

Mail or leave all assignments with the secretaries in the Main Office.

Enjoy your summer and I look forward to seeing you in the fall

Questions?: text me at 401-529-1057

Ms. Nancy Carreiro

ADVANCED GEOMETRY SUMMER ASSIGNMENT June 2016

ALGEBRA SKILLS : Write all answers in radical form ($\sqrt{\ }$). No decimals!

Simplify:

1. $\sqrt{180}$

2. $2\sqrt{3} + 6\sqrt{3}$

3. $(4\sqrt{2})(6\sqrt{3})$

4. Rationalize the denominator: $\frac{90}{\sqrt{3}}$

5. $(6\sqrt{27})(5\sqrt{3})$

6. Solve for n:
   $n\sqrt{3} = 15$

7. $\sqrt{72}$

8. $\sqrt{\frac{25}{36}}$

9. $\sqrt{\frac{2}{7}}$