2018 Semester 2 Final Review

<u>Chapter 5</u>

- Convert degrees to radians and radians to degrees #2-7 (5.1)

- Find coterminal angles #13-17 (5.1)

- Find side lengths of right triangles using trigonometric functions. #29-31 (5.2)

- Find angle measures of right triangles using inverse trigonometric functions. (Look at Chapter 5 Review) (5.2)

- Determine reference angles for any given angle in degrees or radians #43-47 (5.3 & 5.4)

- Evaluate trig values of any angle that has a reference angle of 30, 45, 60, 90, 180 degrees. #48-58 (5.3 & 5.4)

- Determine the Period, Amplitude, Critical Values, and transformations of Sine & Cosine functions. #59-69 (5.5)

<u>Chapter 7</u>
- Use the law of sines to solve a triangle
- Use the law of cosines to solve a triangle
- Add or subtract vectors and show your answer as a drawn resultant vector.

<u>Chapter 11</u>
- Write out terms of a sequence given the general or recursive rule
- Write out terms of an arithmetic sequence given the first term and common difference
- Write out terms of a geometric sequence given the first term and common ratio.
- Find any desired term of an arithmetic/ geometric sequence given the general rule OR First term and Common difference/ratio.
- Find the sum of the first n terms of arithmetic or geometric sequences.
- Use permutation or combination to solve word problems.
- Apply basic probability rules