

Review outline – there is No written HW to submit for next wee

Week 29

Please remember to go over both the Class Problems and Solutions, which includes notes from myself and your own personal notes.

1. Working with algebraic operations with powers and fractions;

- Expand an expression by using the formulas for fast multiplication (review week 3 and week 4)

2. Solving problems using permutations or combinations and binomial coefficients (review weeks 8 and 9)

- Example: Selecting a specific number of participants from a group

3. Solving quadratic equations (Review weeks 13 and 14)

- Use the quadratic formula (or other methods) to determine the number of roots and then find the roots of a quadratic equation

4. Solve a quadratic inequality in a factored form (review week 17)

- Solve an inequality and write the set of possible values using intervals

5. Be able to use the table for sin and cos of basic angles and compare values (

- For example, which value is smaller: $\sin 30^\circ$ or $(1 - \cos 45^\circ)$