|  | **10th Monday (B) (Review)** | **11th Tuesday (A) DCP TEST** | **12th Wednesday (B) DCP TEST** | **13th Thursday (A) (2A,4A)** | **14th Friday (B) \*Pep Rally Schedule\*** |
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| **Objectives** | SWBAT:   * Al. 10 (D) rewrite polynomial expressions of degree one and degree two in equivalent forms using the distributive property * (E) factor, if possible, trinomials with real factors in the form *ax*2 + *bx* + *c*, including perfect square trinomials of degree two; and * (F) decide if a binomial can be written as the difference of two squares and, if possible, use the structure of a difference of two squares to rewrite the binomial. | SWBAT:  A 11 (B)  simplify numeric and algebraic expressions using the laws of exponents, including integral and rational exponents.  A 12 (D)  write a formula for the *n*th term of arithmetic and geometric sequences, given the value of several of their terms; and  A 9 (A)  determine the domain and range of exponential functions of the form *f*(*x*) = *abx* and represent the domain and range using inequalities;  (B)  interpret the meaning of the values of *a* and *b*in exponential functions of the form *f(x)* = *abx* in real-world problems;  (C)  write exponential functions in the form *f(x)* = *abx* (where *b* is a rational number) to describe problems arising from mathematical and real-world situations, including growth and decay; | SWBAT:  9 (D)  graph exponential functions that model growth and decay and identify key features, including *y*-intercept and asymptote, in mathematical and real-world problems; and  (E)  write, using technology, exponential functions that provide a reasonable fit to data and make predictions for real-world problems.  10 (B)  multiply polynomials of degree one and degree two;  (C)  determine the quotient of a polynomial of degree one and polynomial of degree two when divided by a polynomial of degree one and polynomial of degree two when the degree of the divisor does not exceed the degree of the dividend; | SWBAT:   * A 10.(C) determine the quotient of a polynomial of degree one and polynomial of degree two when divided by a polynomial of degree one and polynomial of degree two when the degree of the divisor does not exceed the degree of the dividend; | **\*\*Please come for period 6B from 10:55-12:05 if Thursday is not in your schedule.\*\***  SWBAT:   * A 10.(C) (C)  determine the quotient of a polynomial of degree one and polynomial of degree two when divided by a polynomial of degree one and polynomial of degree two when the degree of the divisor does not exceed the degree of the dividend; |
| **P** | ENGAGE:   * Ask students to recall what we do to polynomial terms; are we putting in the gift (multiplying) or unwrapping our gift (factoring) | 10(D)  rewrite polynomial expressions of degree one and degree two in equivalent forms using the distributive property; |  | ENGAGE:   * Teacher will have students recall long division with a remainder by having them 5 into 2103 | ENGAGE:   * Teacher will have students recall long division with a remainder by having them 5 into 2103 |
| **LA** | EXPLORE:   * After lecture, the students will use desmos to evaluate/factor polynomials   EXPLAIN:   * Each row of students will work on designated problems to explain to their peers   ELABORATE:   * The teacher will go over problems from warm-up and the designated problems on class worksheet |  |  | EXPLORE:   * The teacher will assign them to divide   on their own for 5-10 min. Then I will walk them through the process of how to do long division of polys.  EXPLAIN:   * Each row of students will work on that problem and discuss their findings and questions to their peers   ELABORATE:   * After lecture, teacher will go over problems from warm-up and the designated problems on class worksheet | EXPLORE:   * The teacher will assign them to divide   on their own for 5-10 min. on their own for 5-10 min. Then I will walk them through the process of how to do long division of polys.  EXPLAIN:   * Each row of students will work on that problem and discuss their findings and questions to their peers   ELABORATE:   * After lecture, the teacher will go over problems from warm-up and the designated problems on class worksheet |
| **N** | EVALUATE/ASSESS:   * Verbal response during overview of warm-up and classwork |  |  | EVALUATE/ASSESS:   * Verbal response during overview of warm-up and classwork | EVALUATE/ASSESS:   * Verbal response during overview of warm-up and classwork |
| Resources | * Calculator | * Calculator * Desmos | * Calculator * Desmos | * Calculator | * Calculator |