

Topic: UNIT 7 SYSTEMS of EQUATIONS and INEQUALITIES

Days: 17
Grade(s):

Subject(s):
Key Learning: Solving of system of equations and inequalities by graphing and algebraic manipulation that solve real world problems.



Unit Essential Question(s): **How does graphing or using algebraic manipulation of a system of equations or inequalities provide solutions to real world problems?**

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| <p>Concept: Graphing system of equations and inequalities</p> | <p>Concept: Algebraic methods of solving systems of linear equations</p> | <p>Concept: Real world applications of linear system equations</p> |
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| <p>Lesson Essential Question(s): How does graphing a system of equations or inequalities provide solutions that are possible by examining the graphs? (A)</p> <p>How does graphing a system of inequalities approximate the solution of linear equations by identifying the acceptable regions and boundaries? (A)</p> | <p>Lesson Essential Question(s): How do you determine the solution to a system of equations by algebraic substitution when it is not possible to graph the situation? (A)</p> <p>How do you determine the solution to a system of equations by algebraic eliminations (adding and subtracting) when it is not possible to graph the situation? (A)</p> <p>How do you determine the solution to a system of equations by algebraic multiplication when it is not possible to graph the situation? (A)</p> | <p>Lesson Essential Question(s): How do you determine the best method of solving a system of linear equations or a system of inequalities? (A)</p> |
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| <p>Vocabulary: system of linear equations, solutions of a system of linear equations, consistent independent system, system of linear inequalities, solutions of a system of linear inequalities, graph of a system of linear inequalities</p> | <p>Vocabulary: system of linear equations, solutions of a system of linear equations, consistent independent system, least common multiple</p> | <p>Vocabulary: inconsistent system, consistent dependant system, parallel</p> |
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Additional Information:
Unit 7 sections 7.1, 7.2, 7.3, 7.4, 7.5, 7.6

Attached Document(s):

Vocab Report for Topic: UNIT 7 SYSTEMS of EQUATIONS and INEQUALITIES

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Concept: Graphing system of equations and inequalities

system of linear equations, solutions of a system of linear equations, consistent independent system, system of linear inequalities, solutions of a system of linear inequalities, graph of a system of linear inequalities -

Concept: Algebraic methods of solving systems of linear equations

system of linear equations, solutions of a system of linear equations, consistent independent system, least common multiple -

Concept: Real world applications of linear system equations

inconsistent system, consistent dependant system, parallel -