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| **Problems**   1. 17 cars and trucks get gasoline at the gas station. Each car gets 8 gallons of gasoline. Each truck gets 19 gallons on gasoline. The station sells 169 gallons of gasoline. Write a system of equations for the situation and solve using either substitution or elimination. 2. What is the solution to the system of equations?      1. Write a system of equations where the graphs would not intersect and there is no solution. 2. Write a system of equations where the graphs would intersect and there is one solution. 3. Write a system of equations where the graphs would intersect at (0,5) 4. Solve the following system of equations. 5. A total of 300 people attended the school musical. The admission fee was $2.00 per child and $5.00 per adult. A total of $1200 was collected.   Create a mathematical model and use the model to determine the number of adults and the number of children who attended the musical.   1. Graph the system of inequalities   What is one point that would satisfy both inequalities   1. John does not want to spend more than $1000 on baseball. His baseball gear will cost $250, his team fees will cost a total of $150, and the practice time will cost $25 per hour.   Write an inequality to determine the maximum number of hours he can practice without spending more than $1000.  What is the maximum number hours John can practice without spending more than $1000?   1. What is the goal when graphing a system of inequalities? | **Your work** | **Exact Process** |
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