**PRE-CALCULUS 11** **REVIEW FOR THE INEQUALITIES AND SYSTEMS OF EQUATIONS TEST**

| Topic/skill<br>**I can...** | Example, notes, textbook pages.... | I got this ☺ | I need to review this! |
|---|---|---|---|
| ... graph linear inequalities in one variable on a number line. | | | |
| ...graph a quadratic inequality in one variable on a number line. | | | |
| ... graph a linear inequality in two variables. (Identify the boundary, communicate whether the boundary is part of the solution region, shade in the solution region). | | | |
| ... ... graph a quadratic inequality in two variables. (Identify the boundary, communicate whether the boundary is part of the solution region, shade in the solution region). | | | |
| ... determine whether a suggested value of x is a solution to a given linear or a quadratic inequality. | | | |
| ... determine the difference between an inequality and a strict inequality. | | | |
| ... explain when an inequality has no real solutions. | | | |
| ... explain when an inequality has infinitely many real solutions. | | | |
| ... solve a linear-quadratic system in two variables algebraically. | | | |
| ... solve a linear-quadratic system in two variables graphically. | | | |
| ...explain how many possible scenarios exist for solutions of quadratic-linear systems. | | | |

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|---|---|---|---|
| ... explain how many possible scenarios exist for solutions of quadratic-quadratic systems. | | | |
| ... determine whether a point (or an ordered pair) is a solution to a given quadratic- linear or a quadratic-quadratic system. | | | |
| ... solve a quadratic equation by factoring. | | | |
| ...solve a quadratic equation by applying the square root principle. | | | |
| ...solve a quadratic equation by using a quadratic formula. | | | |
| ...solve a quadratic-quadratic system by graphing. | | | |
| ...solve a linear-quadratic system by graphing. | | | |
| ... explain what "congruent" and "to coincide" mean. | | | |
| ... express inequality symbols in words using phrases such as "at most", "at least", "no more", "maximum of", "minimum of", "different from".... | | | |
| ... rewrite phrases such as "at most", "at least", "no more", "maximum of", "minimum of", "different from"... using algebraic symbols. | | | |

! complete the square !