**Assignment: Review Systems**

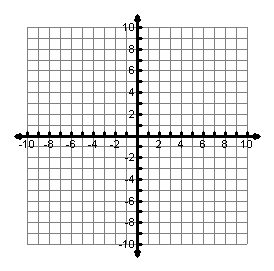
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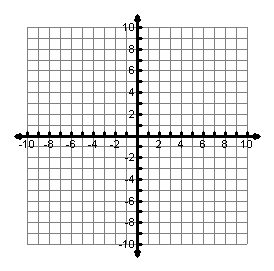
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**NO CALCULATOR**

**Solve each system by graphing.**

1. 2.

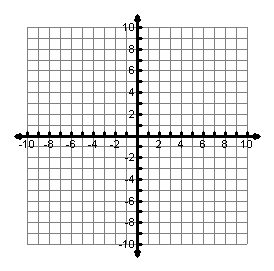
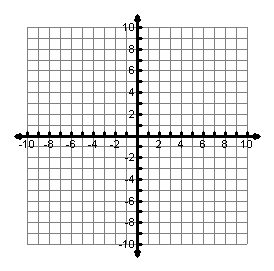




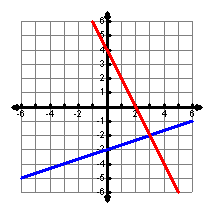
**Graph each inequality.**

3. 4.

Is (0, -6) a solution? \_\_\_\_ Is (-2, -3) a solution? \_\_\_\_



**Write the system of equations shown below and state the solution.**



5.

**CALCULATOR**

**Solve each system by elimination or substitution.**

6. 7. 8.

**Solve each system by any method. (If you use a matrix, be sure to write the matrix equation.)**

9. 10. 11.

12. 13. 14.

**Define the variables, write a system and solve.**

15. The perimeter of a rectangle is 44 m. The length is 4 m more than the twice the width. Find the dimensions.

16. Tickets to a basketball game cost $1.50 for students and $3.25 for adults. The school made $752.25 and sold 358 tickets. How many student and how many adult tickets were sold?