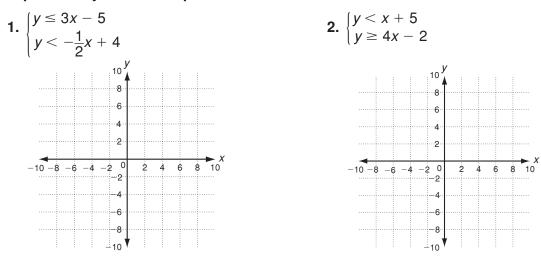
#### Date \_\_\_\_\_

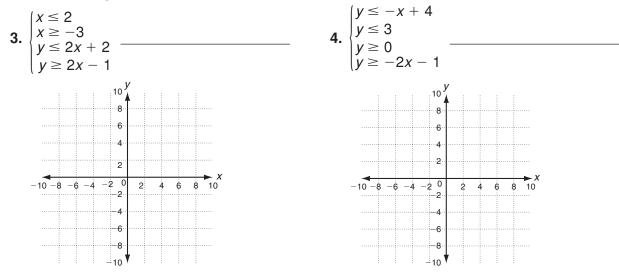
#### Class



### Graph each system of inequalities.

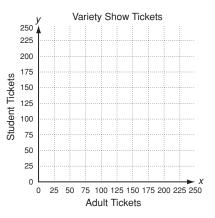


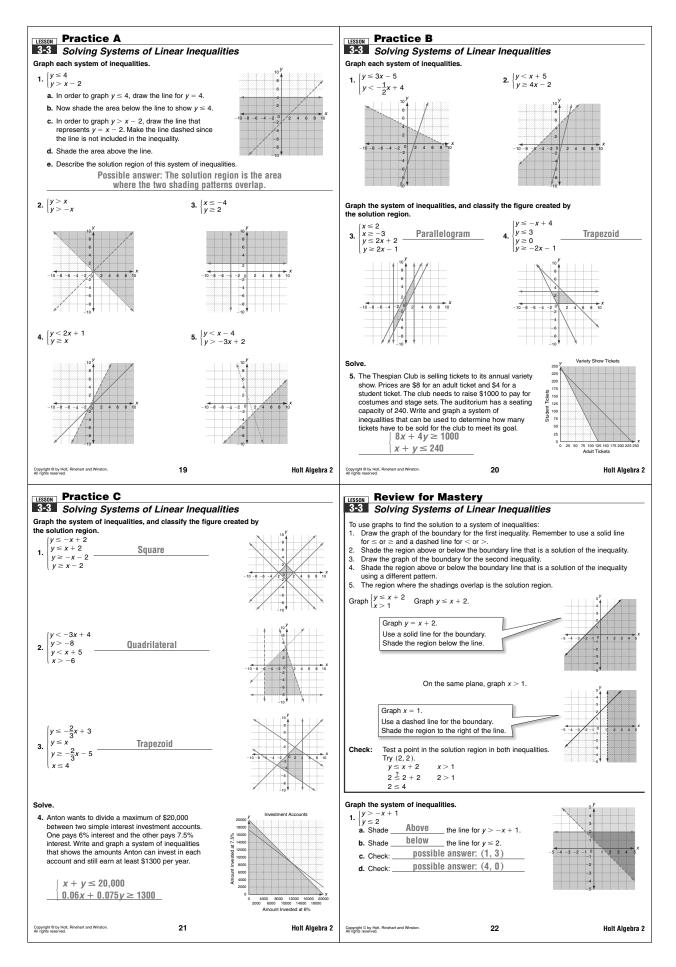
# Graph the system of inequalities, and classify the figure created by the solution region.



## Solve.

5. The Thespian Club is selling tickets to its annual variety show. Prices are \$8 for an adult ticket and \$4 for a student ticket. The club needs to raise \$1000 to pay for costumes and stage sets. The auditorium has a seating capacity of 240. Write and graph a system of inequalities that can be used to determine how many tickets have to be sold for the club to meet its goal.





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Holt Algebra 2