Name: Date:

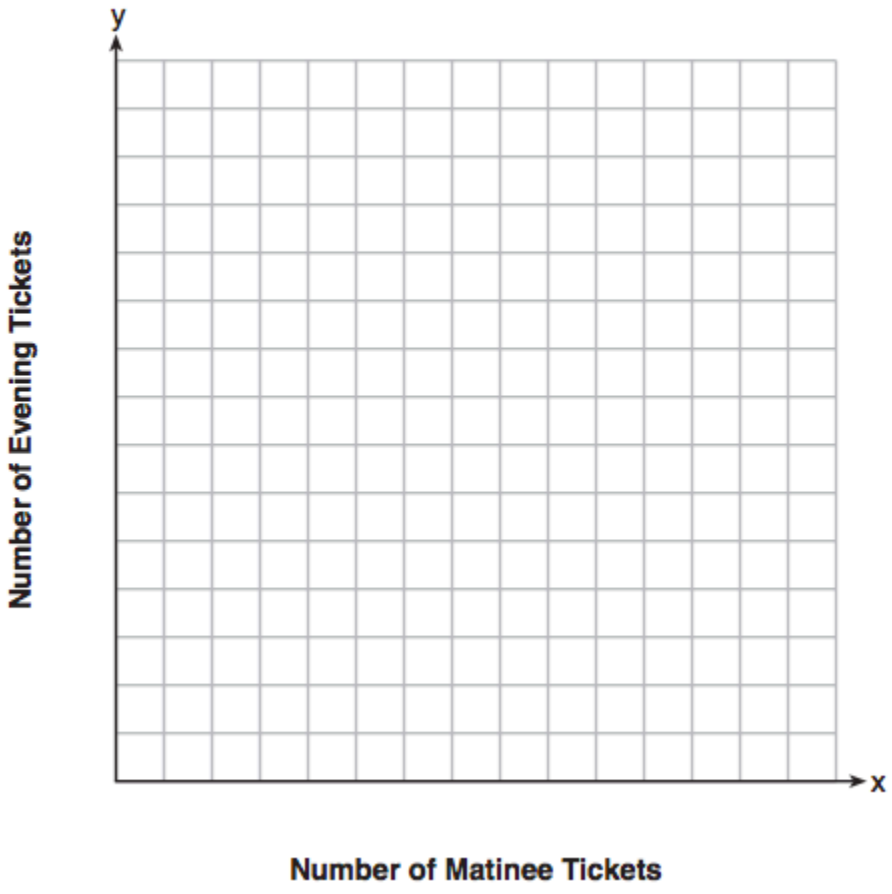
MS2, MS3, MS5 Assessment - January 2019 Regents #35

Myranda received a movie gift card for $100 to her local theater. Matinee tickets cost $7.50 each and evening tickets cost $12.50 each.

Will this scenario be represented by an inequality or an equation? Justify your answer.

If x represents the number of matinee tickets she could purchase, and y represents the number of evening tickets she could purchase, write an inequality that represents all the possible ways Myranda could spend her gift card on movies at the theater.

On the set of axes below, graph this inequality.



MORE ON THE BACK!

What is the maximum number of matinee tickets Myranda could purchase with her gift card? Explain your answer.

Teacher Grading Section:

MS2: I can graph any function (linear, quadratic, exponential, absolute value, radical, piecewise).

▢ A. I can correctly graph a function in a way that accurately reflect the function's shape (minimum of 3 points plotted)
▢ B. I can label, use arrows, and a straightedge (when necessary)
▢ C. I can predict and clearly explain how changing values in a function's equation will affect the graph of the function.
▢ D. I can justify if a point is or is not a solution to the function.

Professional (4)	Practitioner (3)	Apprentice (2)	Novice (1)	Insufficient Evidence (I)
I can do 4 of 4 items.	I can do 3 of 4 items.	I can do 2 of 4 items.	I can do 1 of 4 items.	

MS3: I can isolate any variable.

Professional (4)	Practitioner (3)	Apprentice (2)	Novice (1)	Insufficient Evidence (I)
Isolated with 0 errors	Isolated with 1 error	Isolated with 2 errors	Isolated with 3 errors	

MS 5: I can correctly model a function of a table, graph, and/or scenario

☐ A. I can identify the function family given any representation
☐ B. I can justify the function family classification given any representation using 1 piece of evidence
☐ C. I can create an equation or inequality (or system of equations or inequalities) to model a scenario
☐ D. I can explain the significance of a solution in the context of a scenario

Professional (4)	Practitioner (3)	Apprentice (2)	Novice (1)	Insufficient Evidence (I)
I can do 4 of 4 items.	I can do 3 of 4 items.	I can do 2 of 4 items.	I can do 1 of 4 items.	