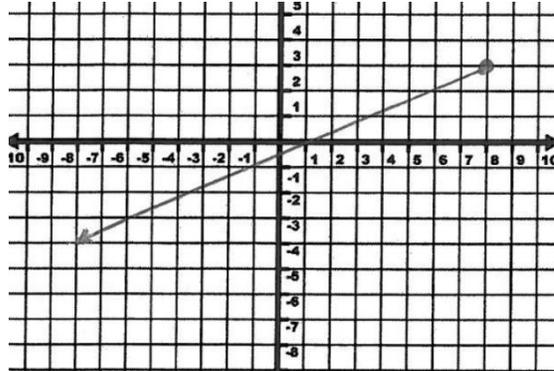
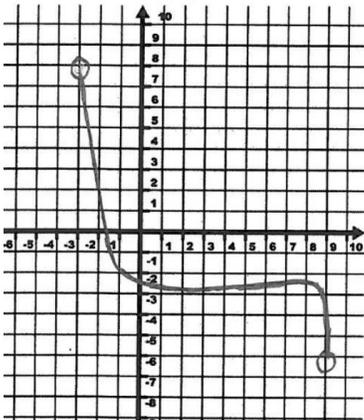


Mid-Term FlipBook Checklist

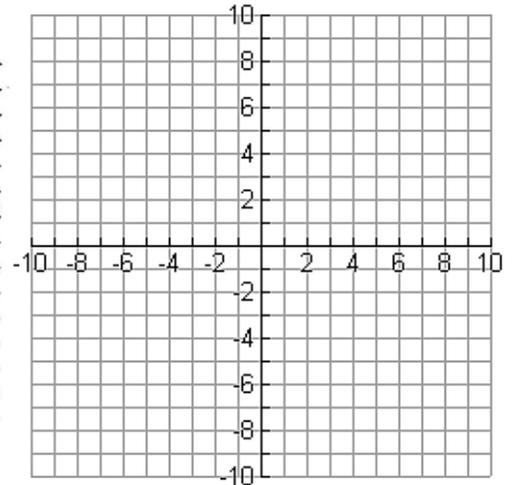
Flap 1	Functions <ul style="list-style-type: none"> <input type="checkbox"/> Determine the output of a function given the input. <input type="checkbox"/> Determine the input of a function given the output.
Flap 2	Domain and Range <ul style="list-style-type: none"> <input type="checkbox"/> Describe how to determine the domain of a function by looking at its graph. <input type="checkbox"/> Describe how to determine the range of a function by looking at its graph. <input type="checkbox"/> Determine the domain and range of the provided graphs.
Flap 3	Solving Multi-Step Equations Solve the equations below. <ul style="list-style-type: none"> <input type="checkbox"/> $\frac{x+2}{5} = \frac{10-2x}{3}$ <input type="checkbox"/> $x + 3(2 + 4x) = 6(x + 1) + 5x$ <input type="checkbox"/> $\frac{3}{x} - 1 = 8$
Flap 4	Linear Functions (Equations should be written in slope-intercept form.) <ul style="list-style-type: none"> <input type="checkbox"/> Write the equation of a line given the slope and one point. <input type="checkbox"/> Write the equation of a line that passes through 2 points. <input type="checkbox"/> Graph both examples (on the same graph) to verify your algebraic work is correct.
Flap 5	Exponent Laws <ul style="list-style-type: none"> <input type="checkbox"/> Write out the exponent rules we have used so far in class or in homework. <input type="checkbox"/> Simplify $\frac{15(w^4z^2)^3t^{-3}}{3tw^3z^7}$. <input type="checkbox"/> Include up to 3 additional examples that may be of help to you. (optional)
Flap 6	Systems of Equations <ul style="list-style-type: none"> <input type="checkbox"/> Graph the following system to find the solution(s). $y = x + 1$ $y = -2x + 7$ <input type="checkbox"/> Write a system of equations and solve it using substitution. <input type="checkbox"/> Write a different system of equations and solve it using elimination. <input type="checkbox"/> Solve the 2 word problems provided using a system of equations for each.
Flap 7	Sequences <ul style="list-style-type: none"> <input type="checkbox"/> Compare and contrast arithmetic and geometric sequences. <input type="checkbox"/> Provide an example of each type of sequence and provide multiple representations of each (table, equation, graph, and situation).
Flap 8	Exponential Functions Give an example of how to write an equation for an exponential function given: <ul style="list-style-type: none"> <input type="checkbox"/> a table. <input type="checkbox"/> a graph. <input type="checkbox"/> a situation (compound interest and/or % of increase/decrease).

This flipbook gives you an opportunity to show growth in your understanding of key mathematical ideas over the past semester and to review for your exam. The checklist describes the items you need to include on each page of your flipbook. Use your resources, provide clearly written examples and/or descriptions, and use your creativity (intelligence having fun). Labels, color, etc. are ways to highlight key concepts/points/methods. All necessary work needs to be shown. You are creating a resource and demonstrating your understanding so your process is as important, if not more important, than your final answer! Be sure to complete all items on the list. Quality and accuracy are important!

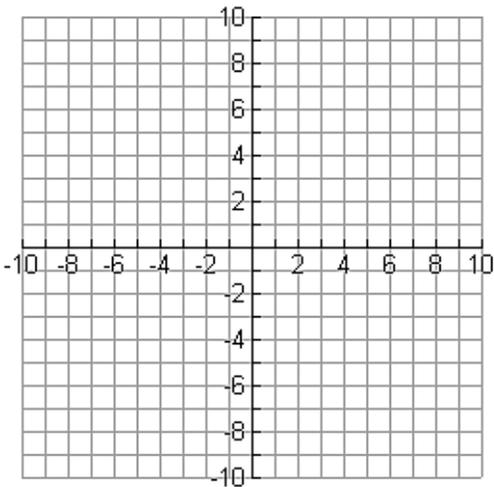
Flap 2



Flap 4



Flap 6



Gianna rented a Bouncy Castle for 5 hours at a total cost of \$235. Erica rented the same Bouncy Castle for 3 hours at a total cost of \$165. The cost of renting is based upon a flat set-up fee plus a rental rate per hour. How much is the set-up fee and the hourly rental rate?

The drama club at Lincoln High School sells hot chocolate and coffee at the school's football games to make money for a special trip. At one game, they sold \$200 worth of hot drinks. Bear knows they used 295 cups that night. If hot chocolate sells for 75¢ and coffee sells for 50¢, how many of each type of hot drink did they sell?

Be sure to use graph paper for any additional graphing. Cut and paste your graphs into your flipbook.