

Content and Language Objective:

Students will analyze a variety of graphs to help them create descriptions of the graphs in order to recall academic vocabulary they have used throughout the year in Algebra

Warm Up

1. Students are putting on a show. Sketch a graph showing their overall profit as a function of the number of tickets they sell.

a. Assumptions made:

Curved graph

linear

b. Independent variable: # of tix

c. Dependent variable: profit

d. Domain: x value $[0, \infty)$

e. Range: y value $[0, \infty)$

f. Zeros (if any) and real-world meaning:

$(0, 0)$ 0 tix sold = 0 profit

g. y-intercept and real-world meaning:

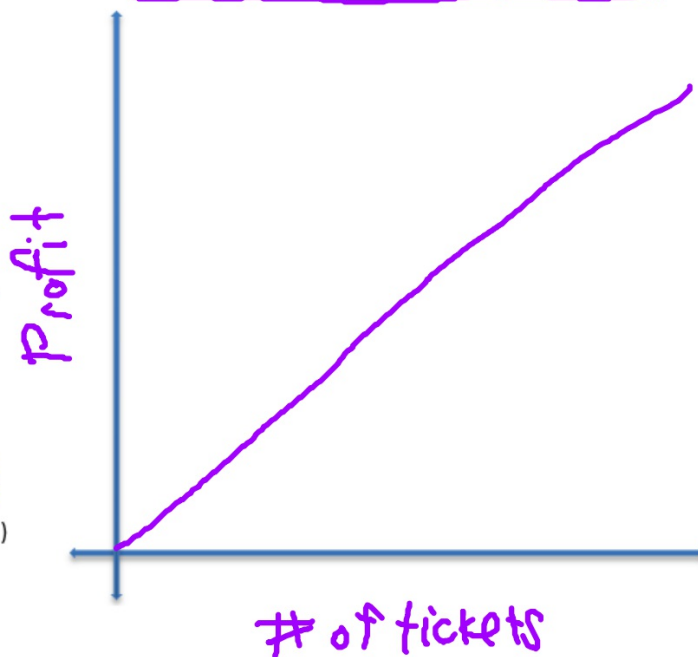
$(0, 0)$ 0 tix sold = 0 profit

h. Maximum(s)/minimum(s) and real-world meaning:

min $(0, 0)$ 0 tix = 0 profit

i. Type of function (e.g., linear, quadratic, exponential)

linear



Content and Language Objective:

Students will explore the characteristics of piecewise graphs to help them analyze and interpret graphs that are not always continuous, to help learn the process for writing piecewise functions.

Let's read through the objective and fill in the statements below:

Students will _____

In order to _____

So they _____
