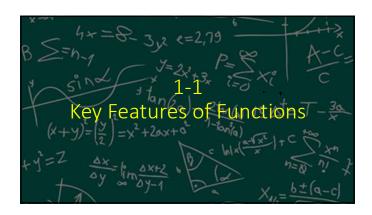
Do Now (8/20 & 8/21)

Grab handouts. Take your 1-1 notes out. Complete the tasks in the first 3 columns of the Note Repetition and Study Log: Circle vocab, highlight key terms, and mark it up (use red pencils for this). I have supplies in the cabinet bins by the front door. Make sure your notes are in your binder so I can check them there.

Topic 1 Scale, Study Log, and Powerpoint Notes go on Notes Tab of binder



I CAN...

interpret key features of linear, quadratic, and absolute value function given an equation or a graph

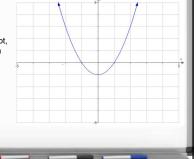
Standard: MAFS.912.F-IF.2.4

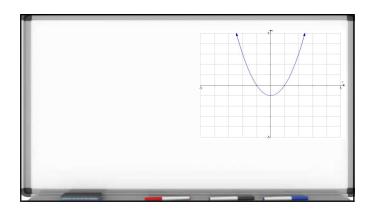
For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantitities, and sketch graphs showing key features given a verbal description of the relationship.

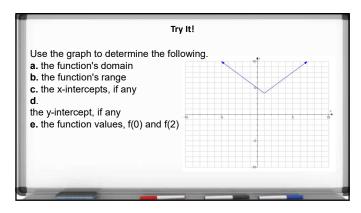
Example 1

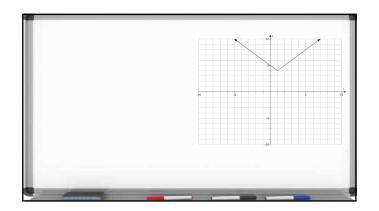
Use the graph to determine **a**. the function's domain; **b**. the function's range; **c**. the x-intercepts, if any; **d**. the y-intercept, if any; and **e**. the missing function values, indicated by question marks, below.

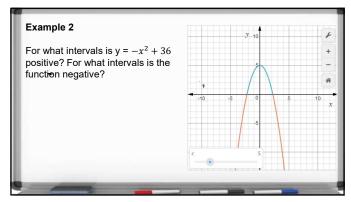
f (-2) = ? f(2) = ?

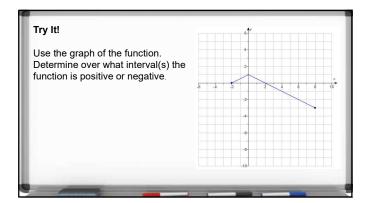


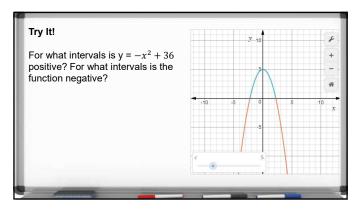


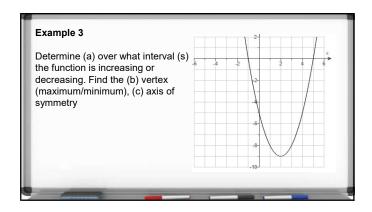


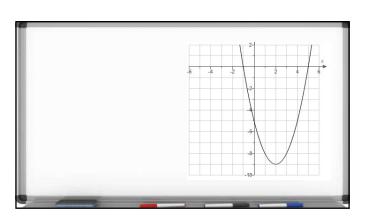


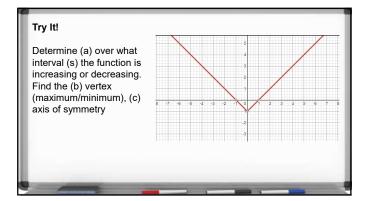


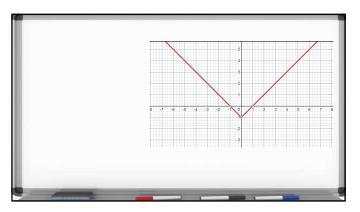


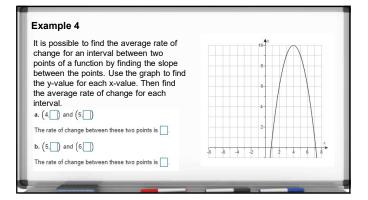


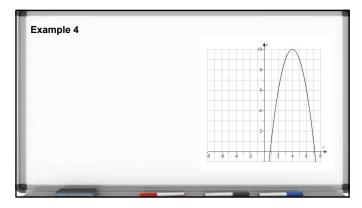










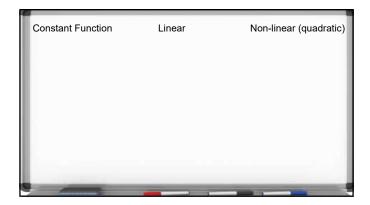


Try It!

Then find the average rate of change for each interval for the following function: F(x) = 2x - 1a. (4 and (5 b)

The rate of change between these two points is b. (5 and (6 c))

The rate of change between these two points is change between the change between t



Example 5 Tie everything together

Using the function y = |x-2|+1, find the (a) domain, (b) range, (c) intervals of increase/decrease, (d) intercepts, (e) vertex, (f) line of symmetry, (g) positive/negative intervals, and (h) the rate of change over interval [2, 3]



Try It!

Using the function $y=-x^2+5$, find the (a) domain, (b) range, (c) intervals of increase/decrease, (d) intercepts, (e) vertex, (f) line of symmetry, (g) positive/negative intervals, and (h) the rate of change over interval [2, 3]

Practice

#4-11, 14, 18-22, 23-27

HW:

Online Weekly: 1-1 Adaptive Practice HW (due Sunday night 11:59 pm, 8/25)

Daily/Regular: 1-2 Notes (1^{st} half of notes – pg. 1-5 due 8/22)