

INCREASING DECREASING AND CONSTANT WORKSHEET pdf

1: Precalculus Review Calculus Preview - www.enganchecubano.com - Graphs: Increasing and Decreasing

Increasing, Decreasing and Constant Worksheet For each problem: Name: Date: a) State if function is continuous, if there is a discontinuity state type and where the discontinuity exists.

Look for and make use of structure. Warm Up 10 minutes I intend for this Warm Up to take the students about 15 minutes to complete and for us to review as a class. My students need to determine the initial or starting value of the function, as well as the slope of the line. For our purposes, the initial value is the y-intercept. With respect to the slope, I also want my students to describe the pattern. Is the line constantly increasing, constantly decreasing, or just constant. I want my students to recognize that if the function has a constant rate of change, it is linear. I am always worried that my students will overgeneralize this to "relationships that are increasing or decreasing are linear. We have seen these before, during our functions unit see Intro of Parent Functions. I want my students to keep these in mind as we drill deeper into the concept of a linear function. Partners 20 minutes In our next activity, I have my students work with their table partners. At this point in the year the table partners are working in relatively homogeneous groups. In the first problem, I expect my students will find the lbs for the starting amount easy to understand. As they work on this problem I am paying close attention to the graphs that the students are producing. Some students will draw a line on the graph to represent the problem with arrows going infinitely in both directions. I am observing that they are not considering the possibility of restrictions on the domain or range. I expect that several students will restrict the graph to the first quadrant. I am looking to identify who is explicitly recognizing that the quantity of feed will run out at 0 lbs. I am also looking to see if students are considering the starting value at Day 0. In the second problem my students generally enjoy writing a scenario to match the graph. Both of these students describe the time intervals in words, instead of parentheses notation, to indicate when the function was increasing, decreasing, or constant. The interpretation of this segment of the graph is always a point of disagreement in my class. In Problem 3, I ask my students to create a t-table. In this problem the students are examining a cost function. The cost to produce each additional unit represents a constant rate of change and defines the slope of the cost function. My students generally find this type of function easy to understand. The most common mistake is the use the fixed cost as the slope. Some students calculate the cost of the first unit and then write an equation using this cost as the slope i .

2: Increasing and Decreasing Functions (with worksheets, videos & activities)

Increasing, Decreasing and Constant Worksheet Name State the interval that the function is increasing, decreasing or constant.

3: Increasing Decreasing Interval Worksheets - Printable Worksheets

Increasing Decreasing Interval. Showing top 8 worksheets in the category - Increasing Decreasing Interval. Some of the worksheets displayed are 04, Extrema increase and decrease, Lesson intervals of increase and le objectives obj, Increasing decreasing and constant work name date, Increasing and decreasing functions concavity, Increasing decreasing functions and the 1st derivative test.

4: Math 1 CP Module 5 Videos & Practice Worksheets - Student Curriculum

Math Analysis Honors - Worksheet 6 Increasing/Decreasing Functions - Local Maxima and Minima Success is the maximum utilization of the ability you have.

5: Increasing and Decreasing Functions

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6: Function Interval Worksheets | Math Worksheets

SWBAT identify the initial value and the increasing, decreasing, or constant intervals from a graph or situations. Big Idea Students can identify the initial value when the input is 0, and determine the output and the slope of the line from a table, graph, and words.

7: Ninth grade Lesson Increasing, Decreasing, or Constant?

Extrema, Increase and Decrease Create your own worksheets like this one with Infinite Precalculus. Free trial available at www.enganhecubano.com Title: document1.

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