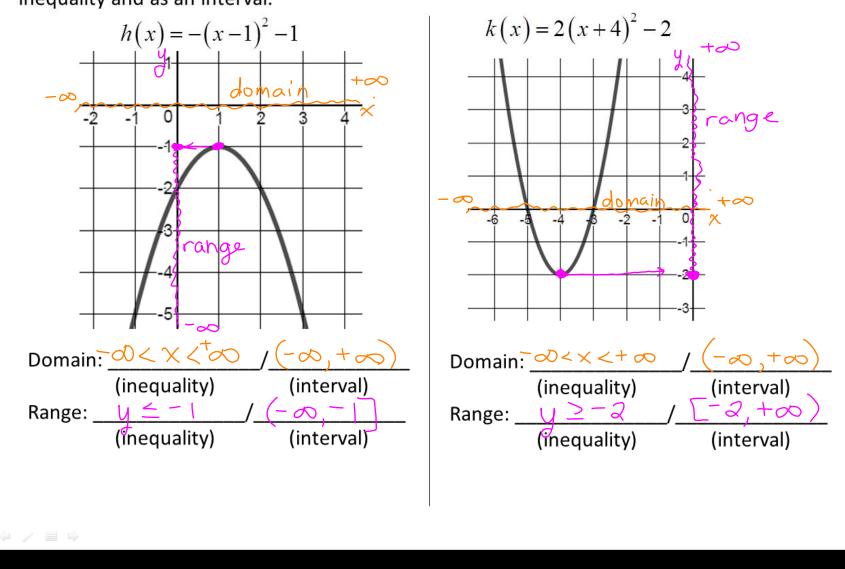


Captured on Fri Sep 29 2017 12:45:10

Objective: Identify Key Features of a Quadratic Function.

Ex) Determine the domain and range for each quadratic function. Write as an inequality and as an interval.

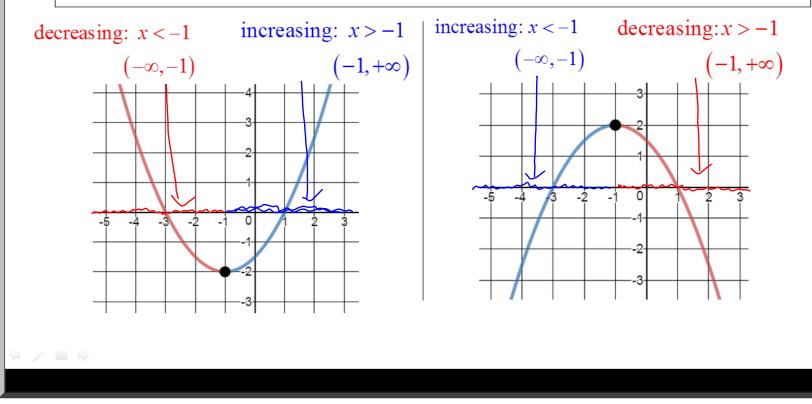


Objective: Identify Key Features of a Quadratic Function.

Note: Increasing and decreasing intervals are always determined by reading the graph of the function from left to right.

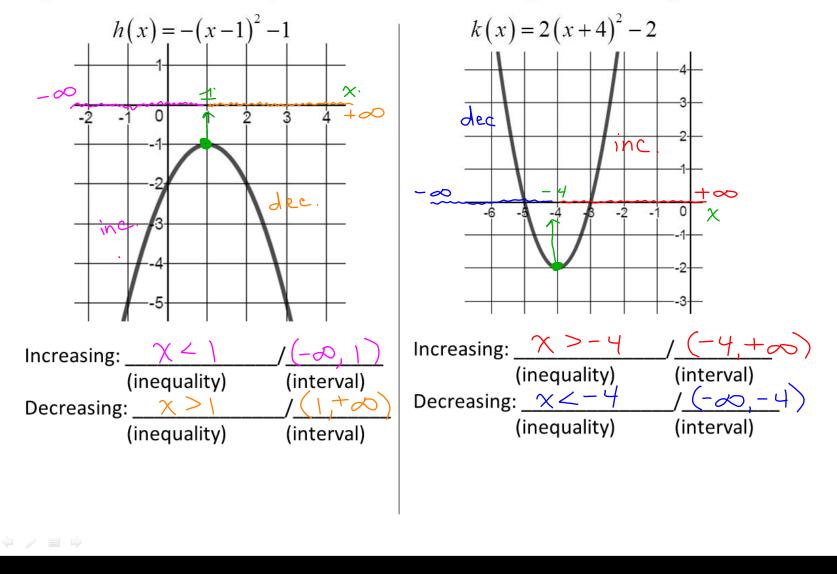
<u>Increasing interval</u>: the set of all values of x for which the values of the function, f(x), are getting larger (increasing)

<u>decreasing interval</u>: the set of all values of x for which the values of the function, f(x), are getting smaller (decreasing)



Objective: Identify Key Features of a Quadratic Function.

Ex) Determine where each quadratic function is increasing and decreasing.



Objective: Identify Key Features of a Quadratic Function.
<u>Closure</u>
At what value of <i>x</i> does a quadratic function change from increasing to decreasing or from decreasing to increasing?
A quadratic function changes from increasing to decreasing or from decreasing to increasing at the value of x that is the x-coordinate of the vertex.