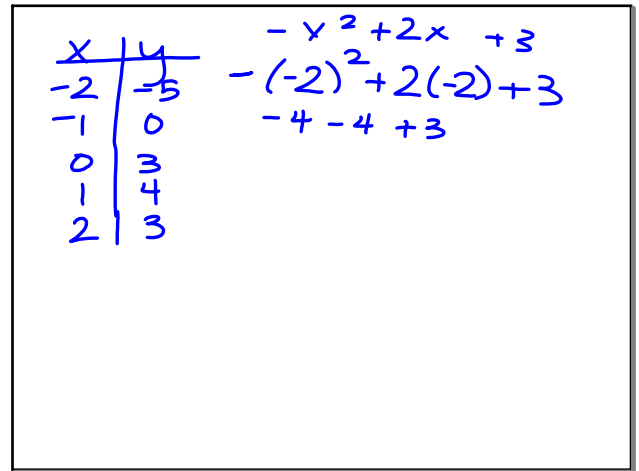


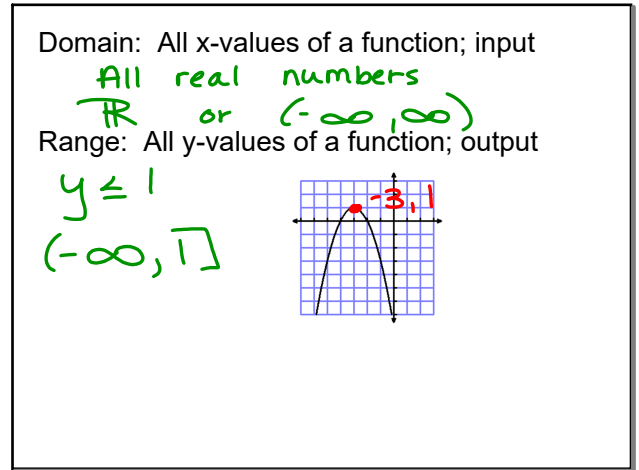
Sep 17-10:52 AM



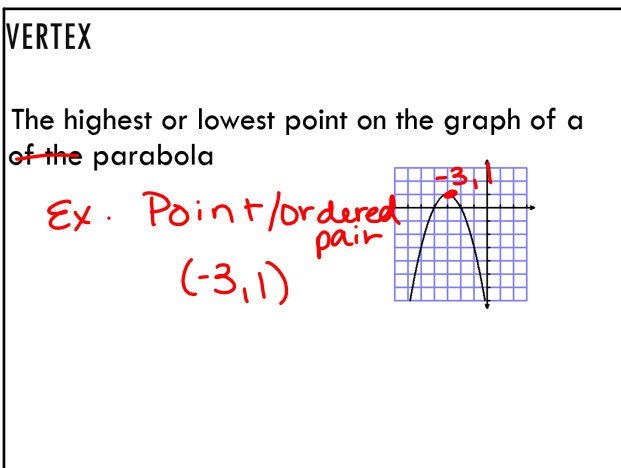
Sep 17-11:00 AM

Characteristics
of
a
Quadratic

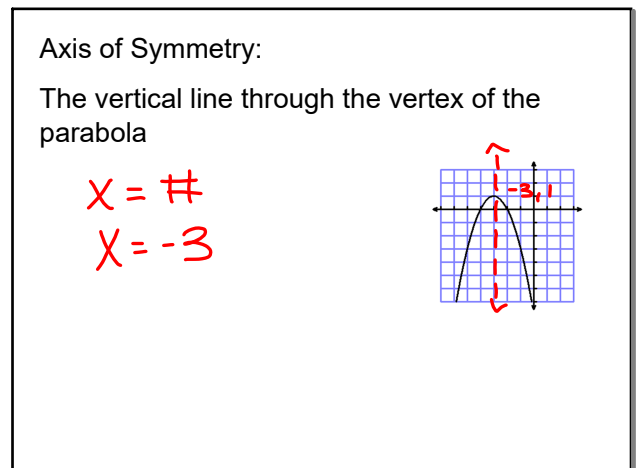
Sep 17-11:11 AM



Sep 13-4:36 PM



Sep 13-4:37 PM



Sep 13-4:38 PM

x-intercept/Zeros: the point at which the line intersects the x-axis; zeros

Roots

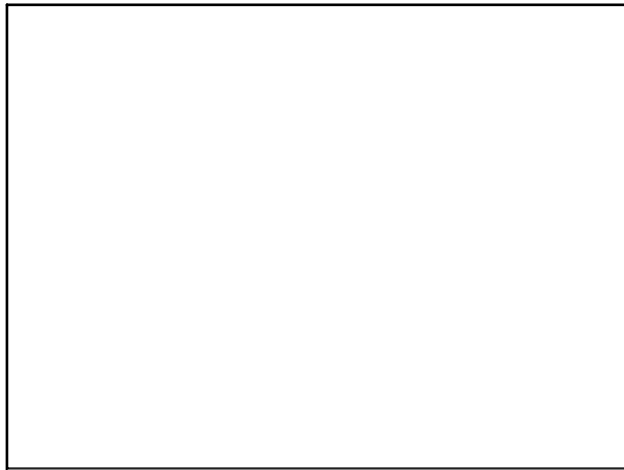
(-2, 0)
+
(-4, 0)

Sep 15-8:33 AM

y-intercept: The point at which the line intersects the y-axis

(0, -7)

Sep 15-8:34 AM



Sep 17-11:26 AM

Interval of increase: Sweeps from left to right and goes up.

-∞ left
+∞ right

(-∞, -3)

use x-value in vertex
 $x < -3$

Sep 15-8:35 AM

Interval of decrease: sweeps left to right and goes down

(-3, ∞)

x-value of the vertex

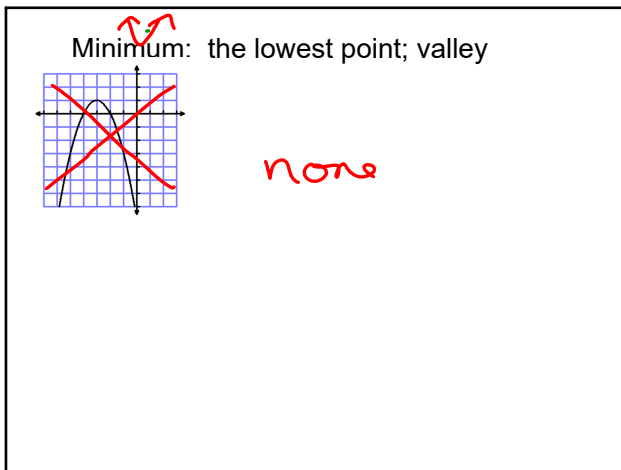
-∞ → left / down
+∞ - right / up

Sep 15-8:36 AM

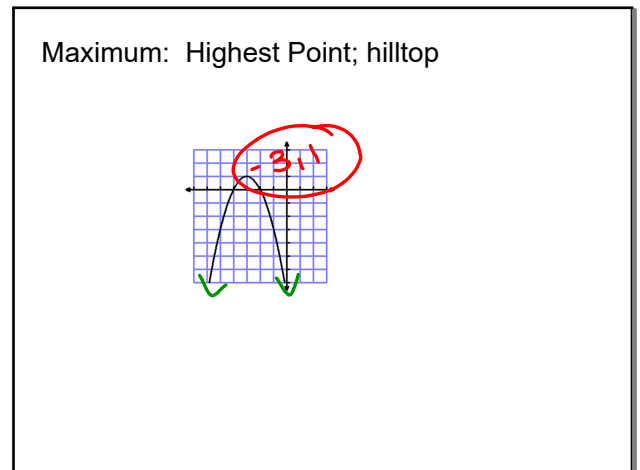
Extrema: Maximum or Minimum

one or the other Maximum

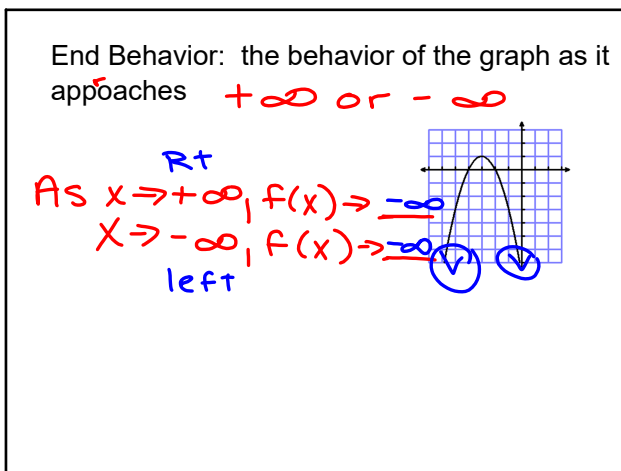
Sep 15-8:37 AM



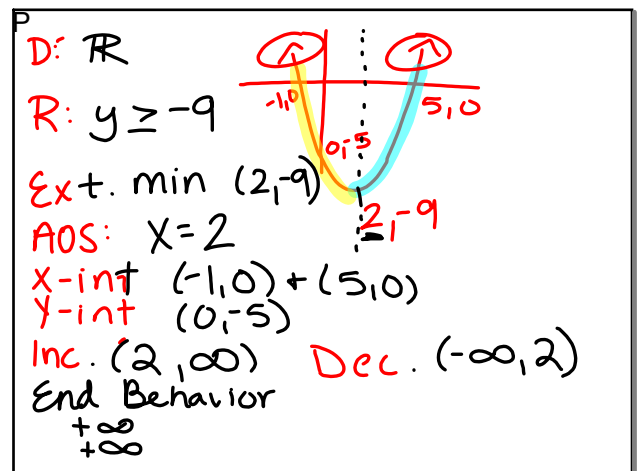
Sep 15-8:37 AM



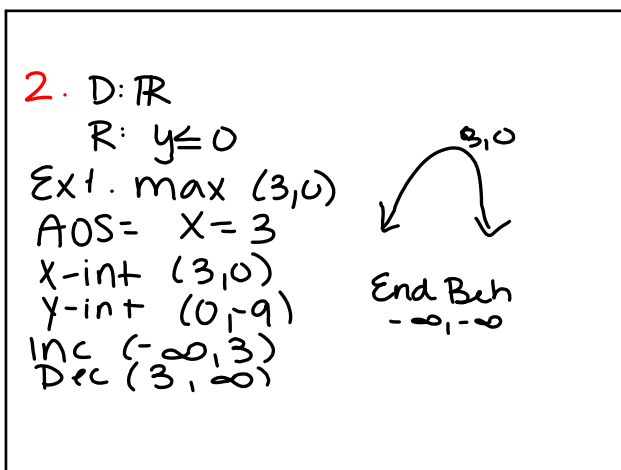
Sep 15-8:38 AM



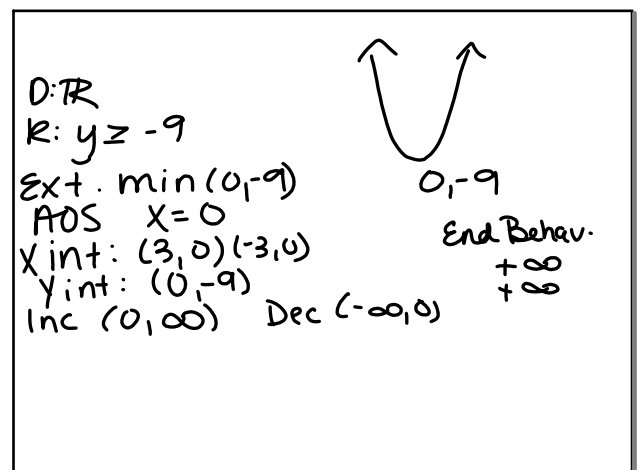
Sep 15-8:38 AM



Sep 15-8:39 AM



Sep 17-11:49 AM



Sep 17-11:54 AM