

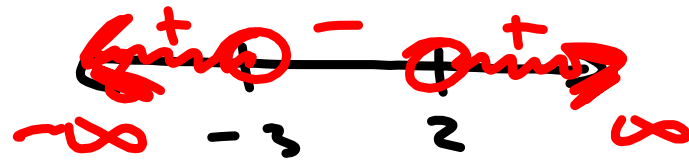
Oct. 23, 2018

Sect. 4-3

Quadratic Inequalities
Algebraically
Graphically

$$(x+3)(x-2) > 0$$

-3
 2



$$x < -3 \text{ or } x > 2$$

$$(-\infty, -3) \cup (2, \infty)$$

$$x^2 + 2x - 15 \leq 0$$
$$(x + 5)(x - 3) \leq 0$$

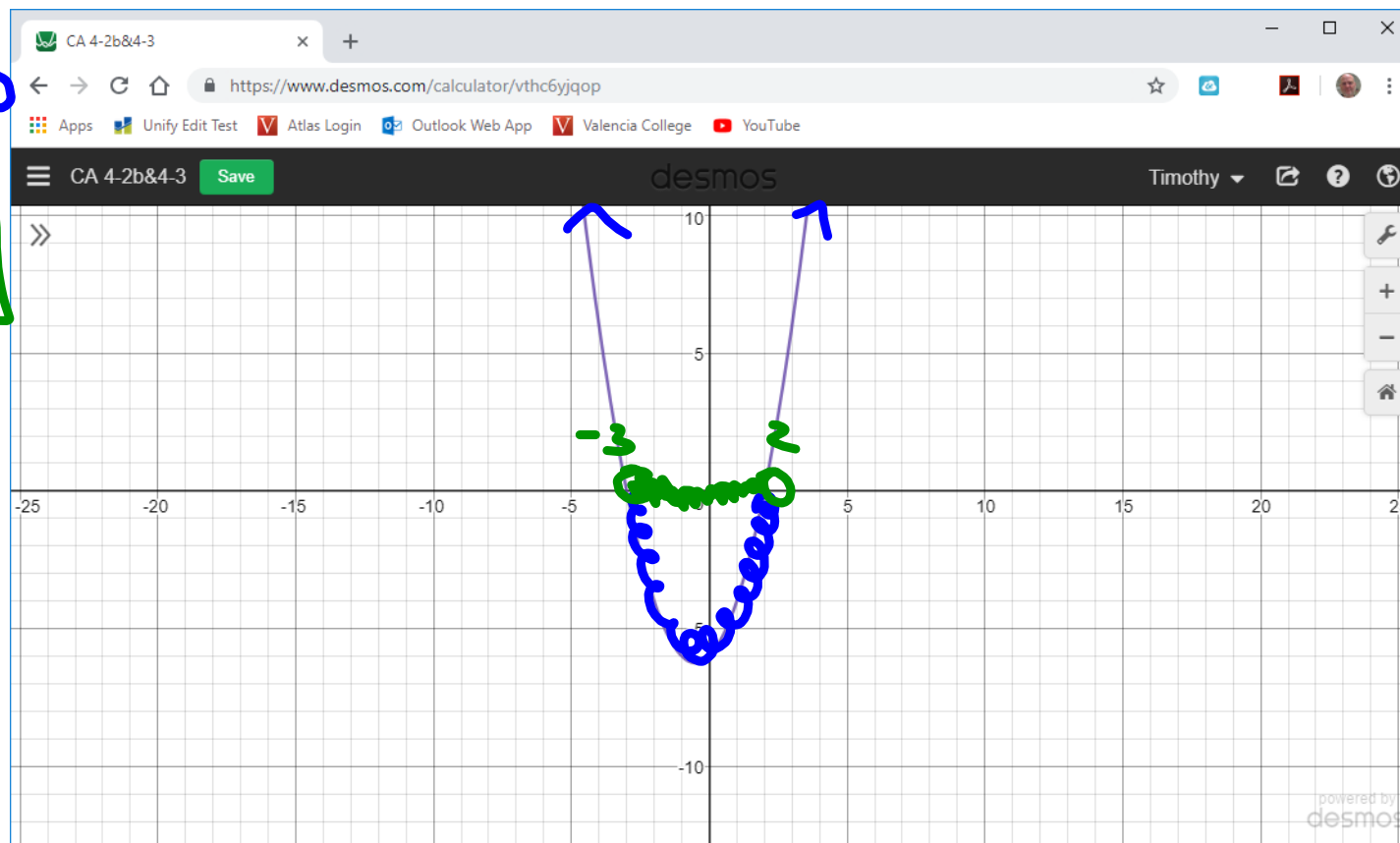


$$-5 \leq x \leq 3$$

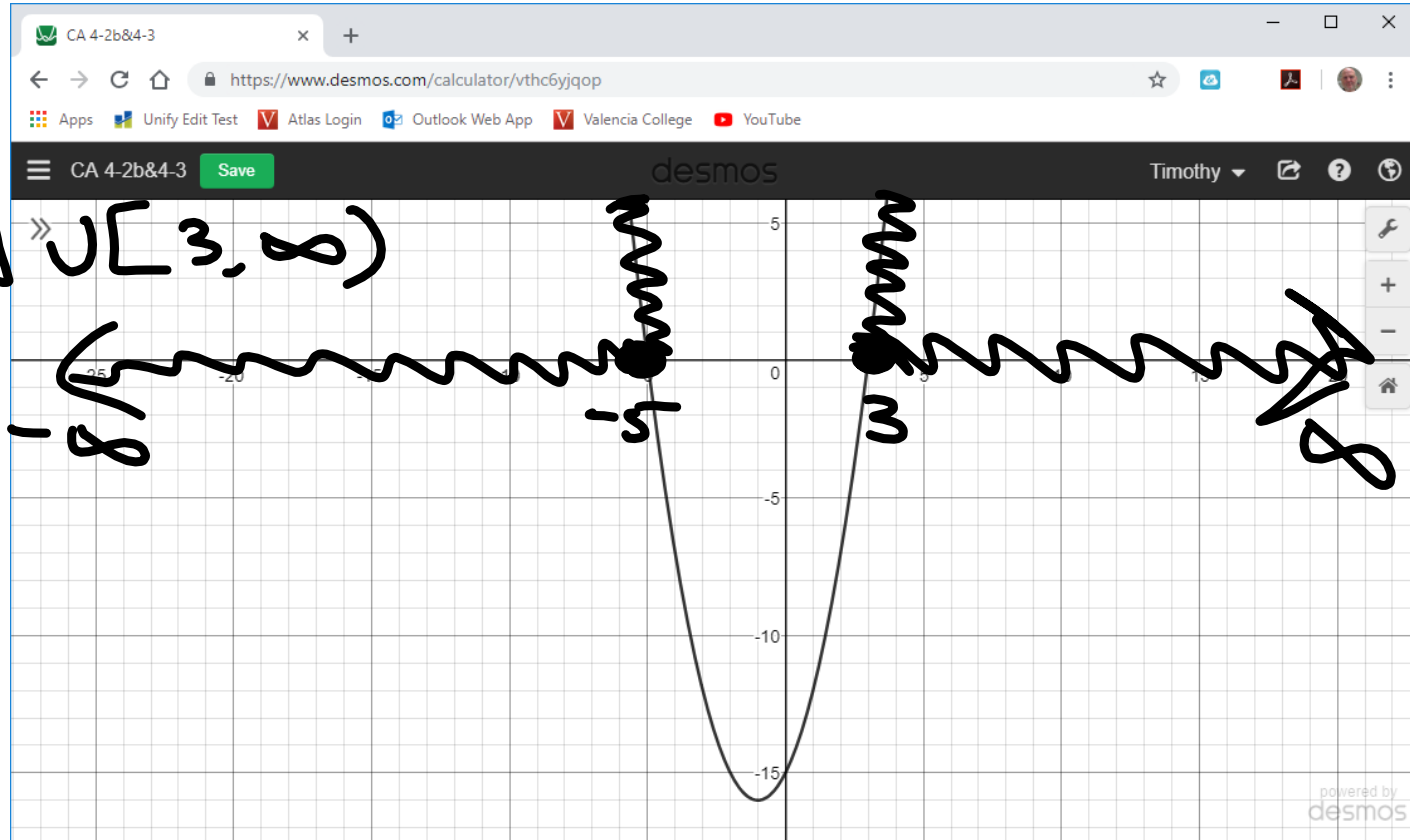
$$[-5, 3]$$

$f(x) < 0$

$[-3, 2]$

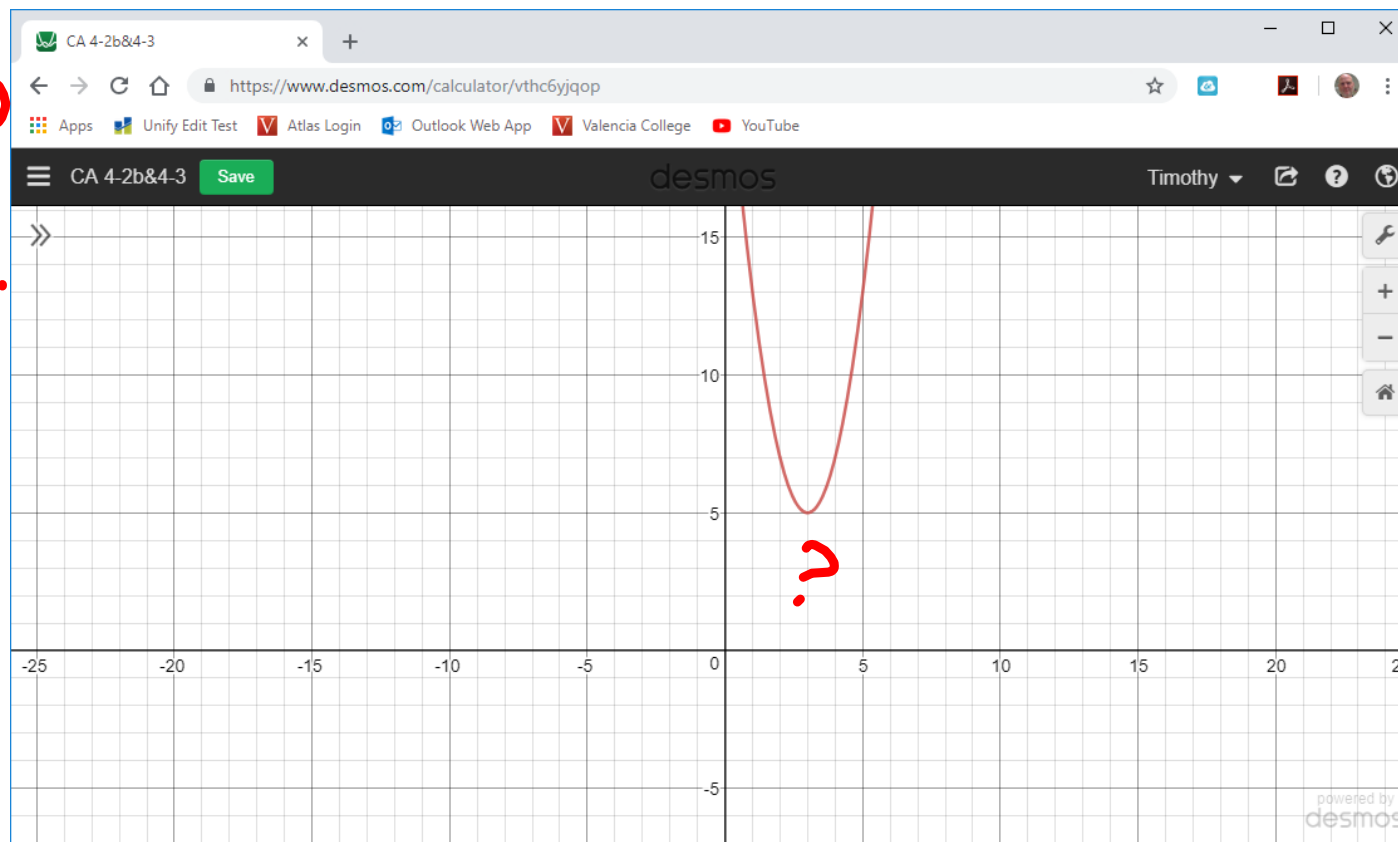


$$f(x) \geq 0$$
$$(-\infty, -5] \cup [3, \infty)$$



$$f(x) \leq 0$$

No Sol.



$f(x) \geq 0$
 $(-\infty, \infty)$

