What are the parents graphs to these functions?

What are possible y= equations for each graph?

How many solutions does the parabola have? the absolute value?

What is the solution to this system of equations?

What are the solutions to the system of inequalities?

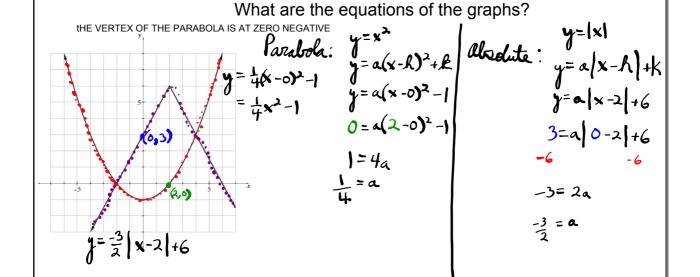
What are the domain and ranges of these functions?

What are the vertices?

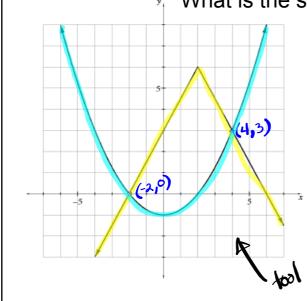
What are the y-intercepts? x-intercepts?

What are the solutions to the inequality?

What are the solutions to the equation?



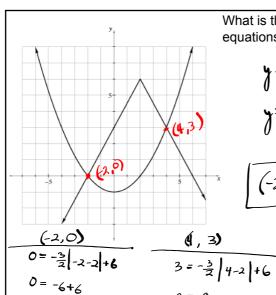
What is the solution to the equation?



$$\frac{1}{4}x^2 - 1 = -\frac{3}{2} \left| x - 2 \right| + 6$$

$$[x=-2 \text{ and } x=4]$$

$$\frac{1}{4}(-2)^2-1=-\frac{3}{2}\left|-2-2\right|+6$$



What is the solution to this system of equations?

$$y = -\frac{3}{2} |x-2| + 6$$

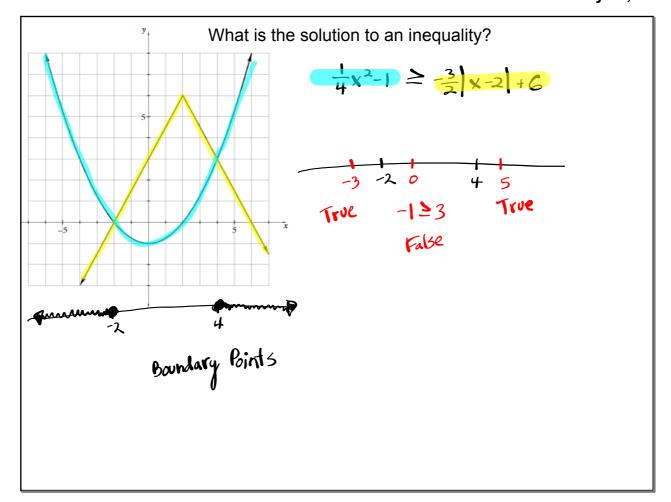
$$y = \frac{1}{4}x^2 - 1$$

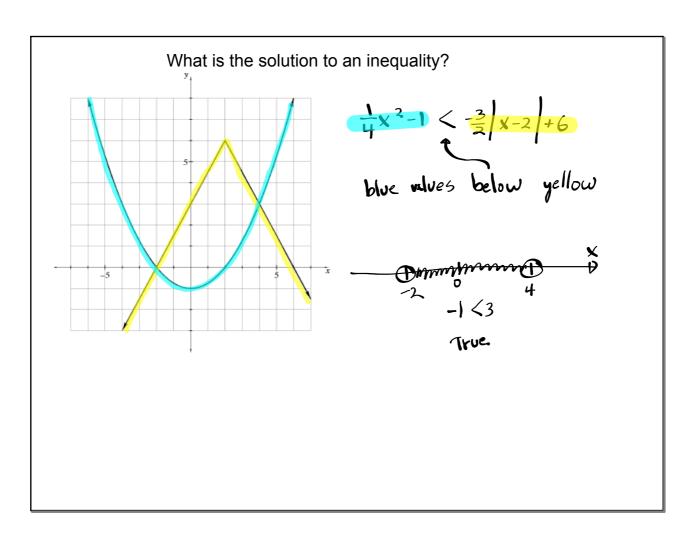
(-2,0) and (4,3)

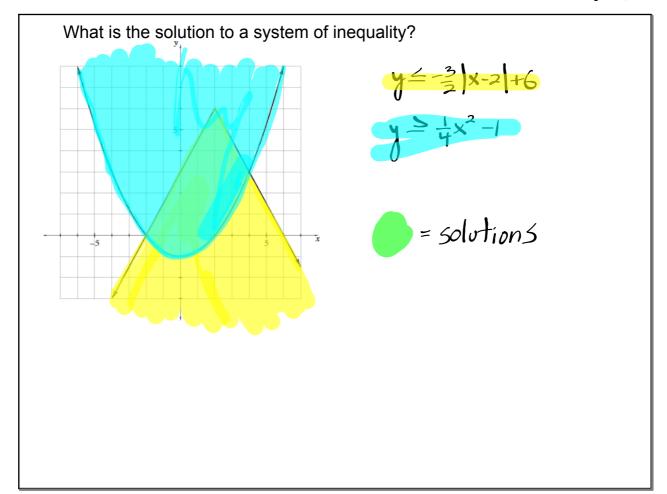
$$0 = \frac{1}{4}(-2)^2 - 1$$

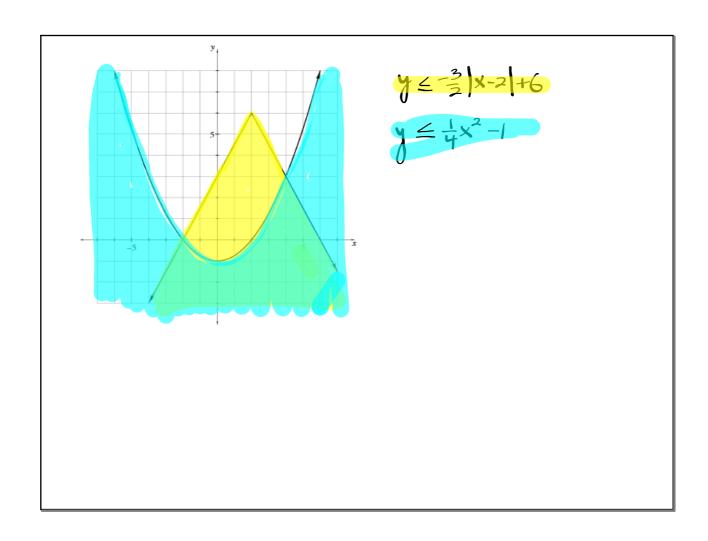
$$3 = -\frac{3}{2} \cdot \frac{2}{7} + 6$$

$$3 = \frac{1}{4}(4)^2 - 1$$









4.2.4 RP.notebook	February 25, 2014