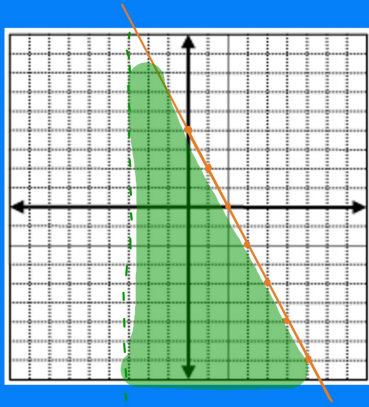


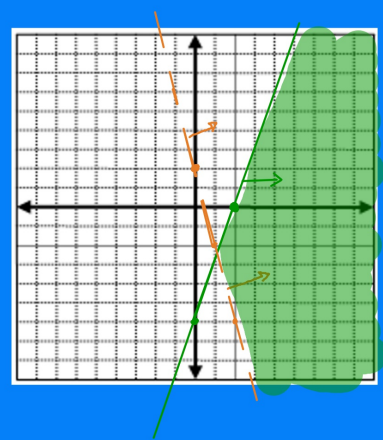
Graph

$$\begin{cases} y < -2x + 4 \\ x > 3 \end{cases}$$



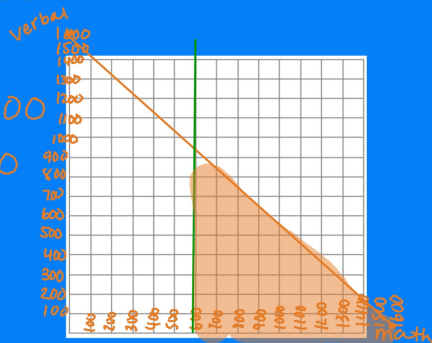
Graph

$$\begin{cases} -3x + y < -6 \\ y > -4x + 2 \end{cases}$$



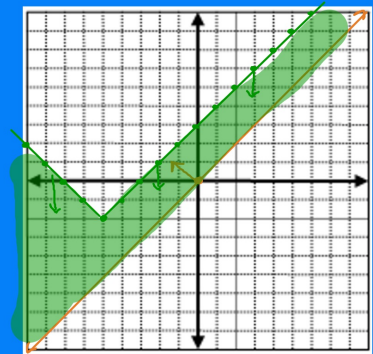
An entrance exam has 2 parts, a verbal part and a math part. You can score a maximum total of 1600 points. For admission, the school of your choice requires a math score of at least 600. Write a system of inequalities to model scores that meet the school's requirements. Then graph the system.

$$\begin{cases} v + m \leq 1600 \\ m \geq 600 \end{cases}$$



Graph the absolute value system.

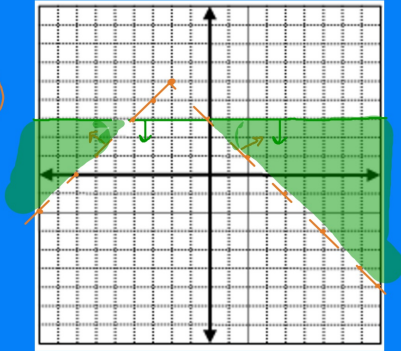
$$\begin{cases} y > x \\ y < |x + 5| - 2 \end{cases}$$



Graph the absolute value system.

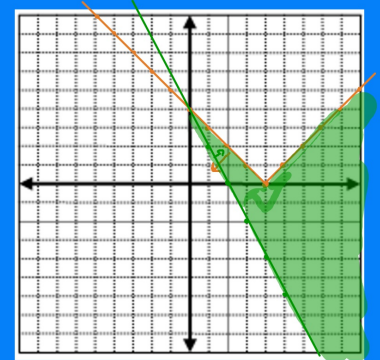
$$y \leq 3$$
$$y > -|x+2|+5$$

vertex  $(-2, 5)$   
open down



Graph the absolute value system.

$$y \geq -2x + 4$$
$$y \leq |x-4|$$



Homework

page 132 # 4, 10, 15, 17, 18, 20, 26, 28, 45, 50, 53, 54, 55