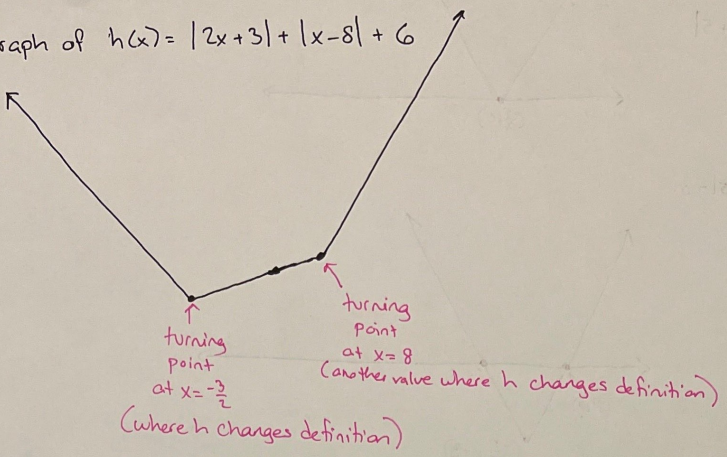
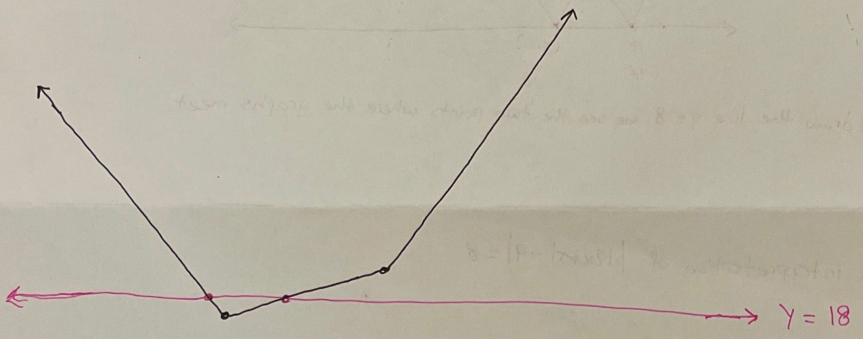
Graph of $h(x) = |2x+3| + |x-8| + 6$

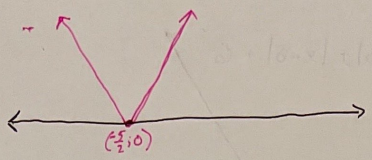


Graphical interpretation of $h(x) = 18$

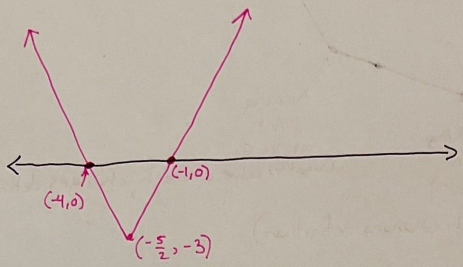


* If we plug $-\frac{3}{2}$ and 8 into $h(x)$, we get $h(-\frac{3}{2}) = \frac{31}{2}$ and $h(8) = 25$, so the ~~line~~ $y = 18$ can only go through the 1st 2 pieces in the piecewise function.

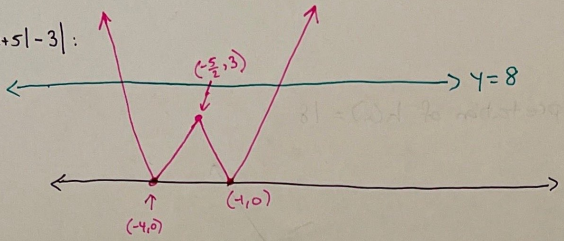
Graph of $|2x+5|$:



Graph of $|2x+5|-3$:



Graph of $||2x+5|-3|$:



If we draw the line $y=8$, we see the two points where the graphs meet.

Graph interpretation of $||2x+5|-9|=8$