$f(x) = x^2 - 4$

$y = x^2 - 4$

Algebra 2

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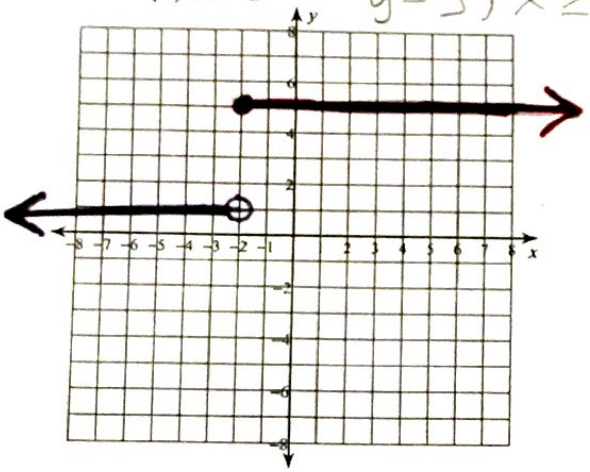
Name KEY

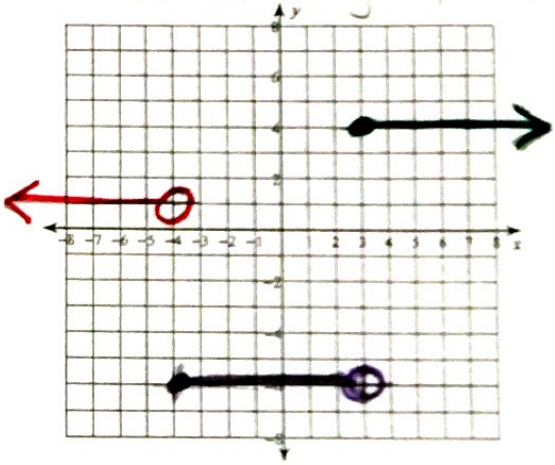
Piecewise Functions - Notes Day #1

Date _____ Hour ____

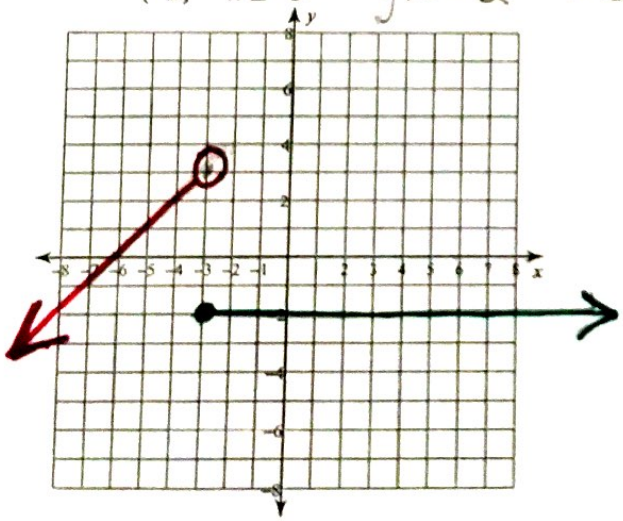
1) $f(x) = \begin{cases} 1, & x < -2 \\ 5, & x \geq -2 \end{cases}$ $y = 1$, $x < -2$; $y = 5$, $x \geq -2$



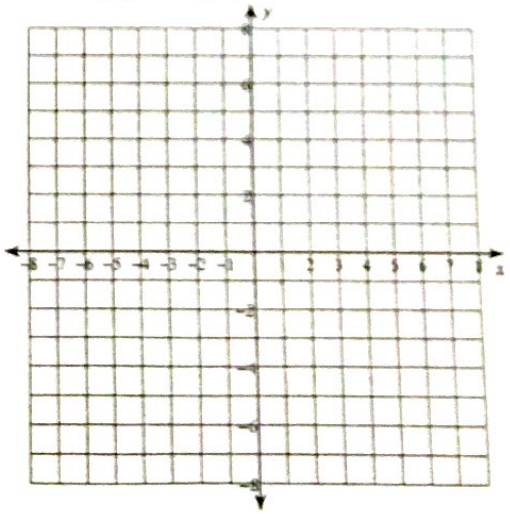
2) $f(x) = \begin{cases} 1, & x < -4 \\ -6, & -4 \leq x < 3 \\ 4, & x \geq 3 \end{cases}$ $y = 1$ $x < -4$; $y = -6$ $-4 \leq x < 3$; $y = 4$ $x \geq 3$



3) $f(x) = \begin{cases} x + 6, & x < -3 \\ -2, & x \geq -3 \end{cases}$ $y = x + 6$ $x < -3$; $y = -2$ $x \geq -3$



4) $f(x) = \begin{cases} -5, & x < -4 \\ x + 8, & -4 \leq x < 5 \\ 3, & x \geq 5 \end{cases}$



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