Grab Starter #6

End Behavior Is Just For Horizontal Asymptote

$$\lim_{x \to -\infty} f(x) = b \qquad \lim_{x \to +\infty} f(x) = b$$

$$b = \text{horizontal asymptote}$$

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Homework Questions

#13 $y = \sqrt{-x} + 3$

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27) $y = [x - 1] + 2$

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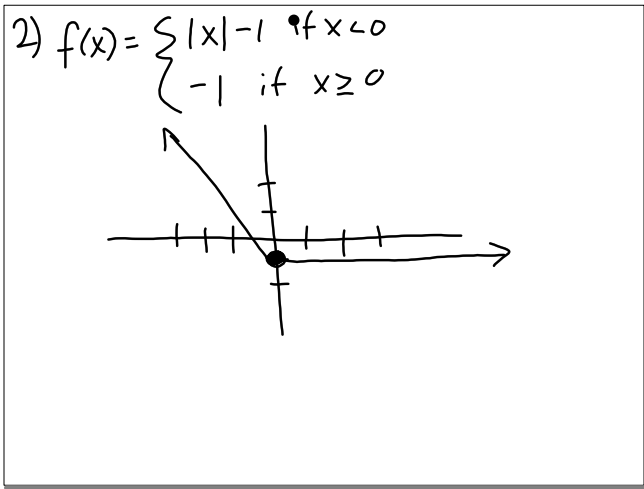23) $y = \dfrac{1}{(x+1)} - 5$

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37) $\dfrac{1}{x - 1}$

38) $\sqrt[3]{x + 2} + 1$

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1.3 Part 2 Piece-Wise $y(x) = \begin{cases} 4x+2 & x<0 \\ 2x^2-4 & x \geq 0 \end{cases}$

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2) $f(x) = \begin{cases} |x| - 1 & \text{if } x < 0 \\ -1 & \text{if } x \geq 0 \end{cases}$

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2) $f(x) = \begin{cases} |x| - 1 & \text{if } x < 0 \\ -1 & \text{if } x \geq 0 \end{cases}$