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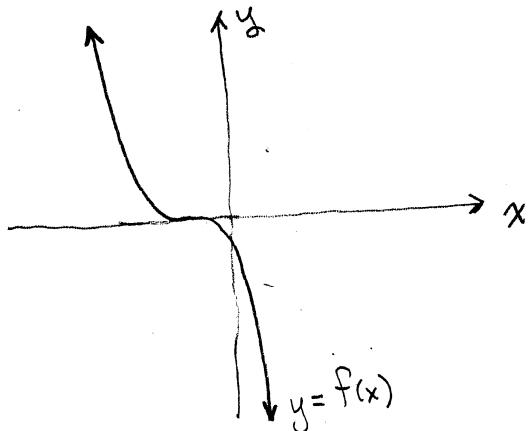
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- Sketch a rough graph of $f(x) = -(x + 1)^5$. Domain? Range? End behavior?

①

THE graph OF f IS THE graph OF $y = x^5$
 SHIFTED 1 UNIT LEFT AND THEN REFLECTED
 ABOUT THE x -AXIS.

Very roughly...



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$$\text{DOMAIN} = (-\infty, \infty)$$

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$$\text{RANGE} = (-\infty, \infty)$$

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Up ON THE LEFT / Down ON THE RIGHT.

$$y \rightarrow -\infty \text{ AS } x \rightarrow \infty$$

AND

$$y \rightarrow \infty \text{ AS } x \rightarrow -\infty$$