

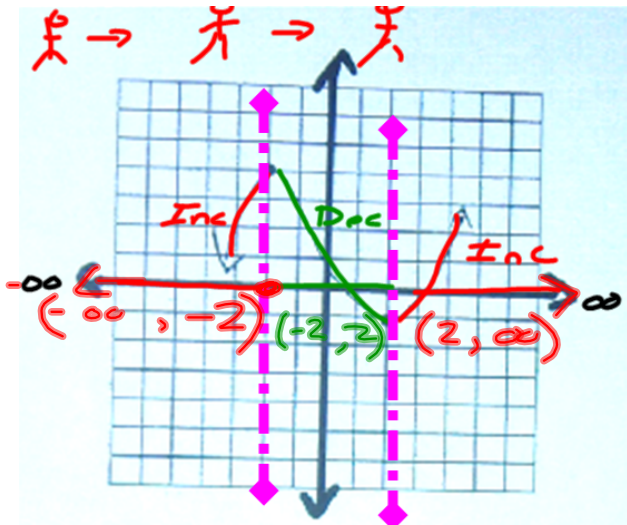
Increasing, Decreasing By Graphing & Using Colors

$f(x) \rightarrow f'(x) \rightarrow f''(x)$

Name _____

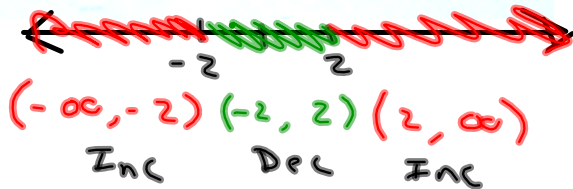
The image contains four hand-drawn graphs on a grid background, illustrating increasing and decreasing intervals of a function. The top-left graph shows a curve with red segments labeled 'Inc' and a green segment labeled 'Dec'. Vertical dashed lines mark the boundaries of these intervals. The horizontal axis is labeled with $-\infty$ and ∞ . The top-right graph shows a downward-opening parabola with a curved arrow indicating a decreasing interval. The bottom-left graph shows an upward-opening parabola with a curved arrow indicating an increasing interval. The bottom-right graph shows a straight line with a positive slope and a curved arrow indicating an increasing interval.

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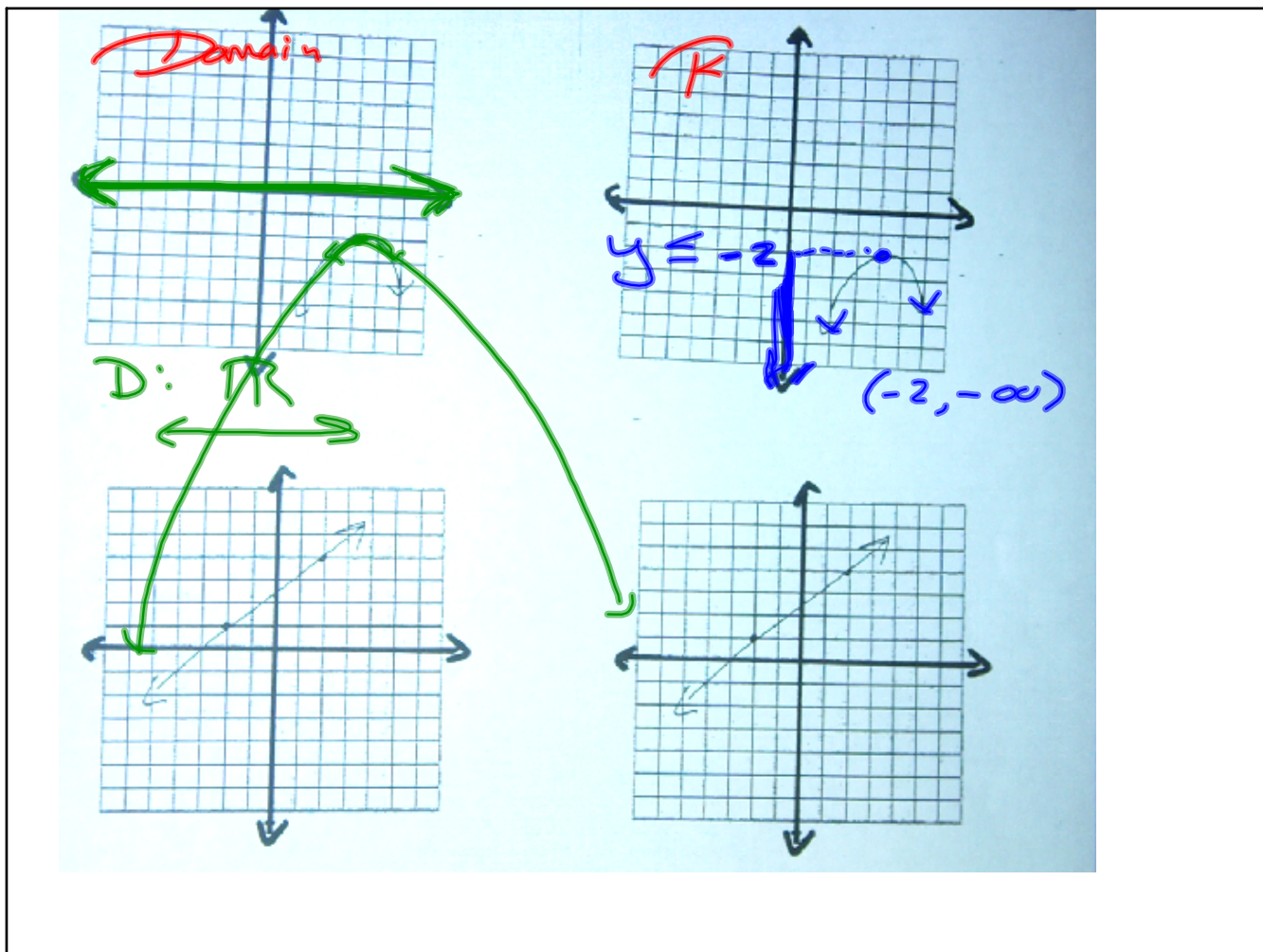


Inc. $(-\infty, -2)$ and $(2, \infty)$

Dec. $(-2, 2)$



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