

- 6) For each graph, draw two lines connecting it to its matching domain and end behavior.

DOMAIN		END BEHAVIOR
$\{x: \text{all real numbers}\}$ $(-\infty, \infty)$		$\text{As } x \rightarrow \infty, y \rightarrow 0$ $\text{As } x \rightarrow -\infty, y \rightarrow \infty$
$\{x: 1 \leq x < \infty\}$ $[1, \infty)$		$\text{As } x \rightarrow \infty, y \rightarrow \infty$ $\text{As } x \rightarrow 1, y \rightarrow 1$
$\{x: \text{all real numbers}\}$ $(-\infty, \infty)$		$\text{As } x \rightarrow \infty, y \rightarrow 0$ $\text{As } x \rightarrow -\infty, y \rightarrow \infty$

- 7) $f(x) = |x|$ and $g(x) = -4|x + 1| + 2$. Describe how to transform the graph of f into the graph of g .