

	FUNCTION	GRAPH	DOMAIN (SET)	DOMAIN (INT.)	RANGE (SET)	RANGE (INT.)
10	Exponential Growth $f(x) = b^x$ $b > 1$		$\{x x \in \mathbb{R}\}$	$(-\infty, \infty)$	$\{y y > 0\}$	$(0, \infty)$
11	Exponential Decay $f(x) = b^x$ $0 < b < 1$		$\{x x \in \mathbb{R}\}$	$(-\infty, \infty)$	$\{y y > 0\}$	$(0, \infty)$
12	Logarithm (growth) $f(x) = \log_b x$ $b > 1$		$\{x x > 0\}$	$(0, \infty)$	$\{y y \in \mathbb{R}\}$	$(-\infty, \infty)$
13	Logarithm (decay) $f(x) = \log_b x$ $0 < b < 1$		$\{x x > 0\}$	$(0, \infty)$	$\{y y \in \mathbb{R}\}$	$(-\infty, \infty)$