

$$y = a(b)^{x-h} + k$$

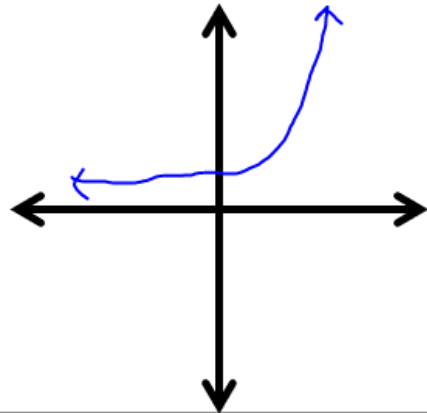
| | |
|--|--|
| a | b |
| STRETCH: a is greater than 1 SHRINK: a is between 0 and 1 | GROWTH: b is greater than 1 DECAY: b is between 0 and 1 |
| h (horizontal) MOVES RIGHT: - h MOVES LEFT: + h | k (vertical) MOVES UP: + k MOVES DOWN: - k |

If a is – (negative) Reflection



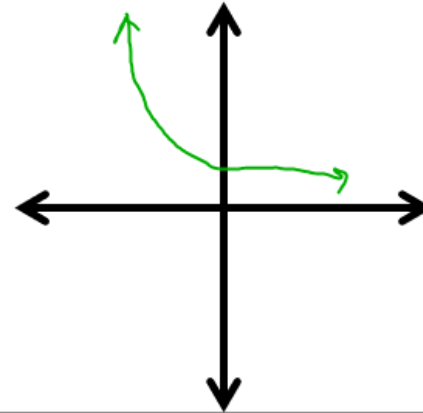
Blank Side

GROWTH



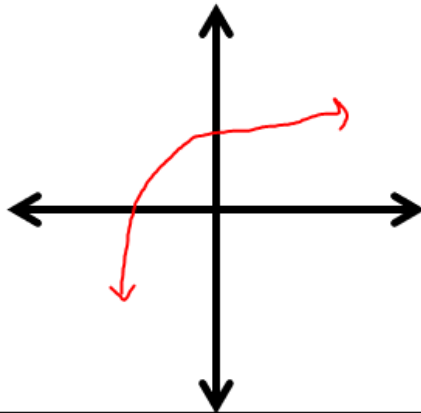
Domain: $(-\infty, \infty)$
Range: (k, ∞)

DECAY



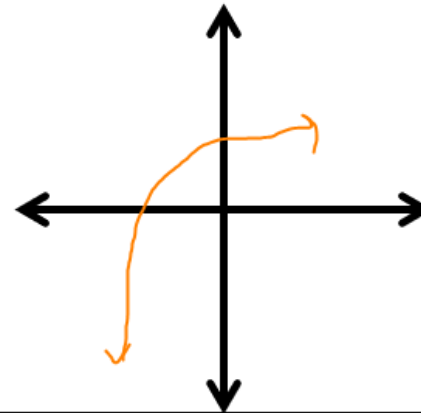
Domain: $(-\infty, \infty)$
Range: (k, ∞)

GROWTH
REFLECTION



Domain: $(-\infty, \infty)$
Range: $(-\infty, k)$

DECAY
REFLECTION



Domain: $(-\infty, \infty)$
Range: $(-\infty, k)$

