

Trig/Pre-calc

Ch 2

Review 2.1, 2.2 WS

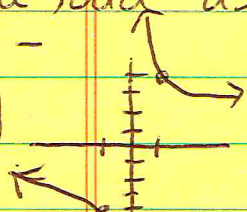
$$f(x) = 4x^{-3}$$

1a) $k+$ QI, $(1, 4)$ Vert stretch

b) $a-$, odd asymptotic, symmetry w/ origin, QIII $(-1, -4)$

c) -

d)



fast growth

$$f(x) = -3x^{1/3}$$

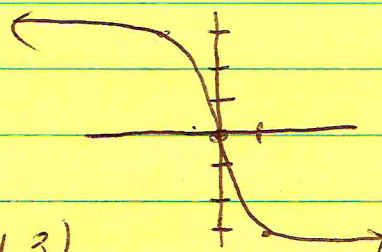
2a) $k-$ QIV $(1, -3)$ Vert stretch

b) $a+$ $(0, 0)$

c) no odd symmetry w/ origin QII $(-1, 3)$

c ~~odd~~ reflection

$1/3 < 1$ Slow Growth

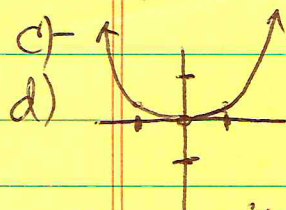


$$3. f(x) = \frac{1}{4}x^8$$

a) $k+$ QI $(1, 1/4)$ Vertical shrink

b) $a+$, even $(0, 0)$ symmetry w/ y-axis QII $(-1, 1/4)$

c) -



(flattens in middle)

fast growth

$$f(x) = 6x^{3/8}$$

4. a) $k+$ QI $(1, 6)$ Vert stretch

b) $a+$ $(0, 0)$

c) no odd -

even no reflection

$3/8 < 1$ Slow growth

