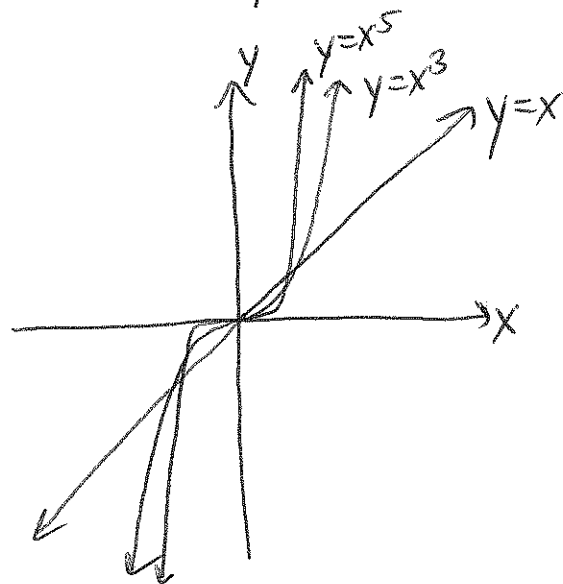
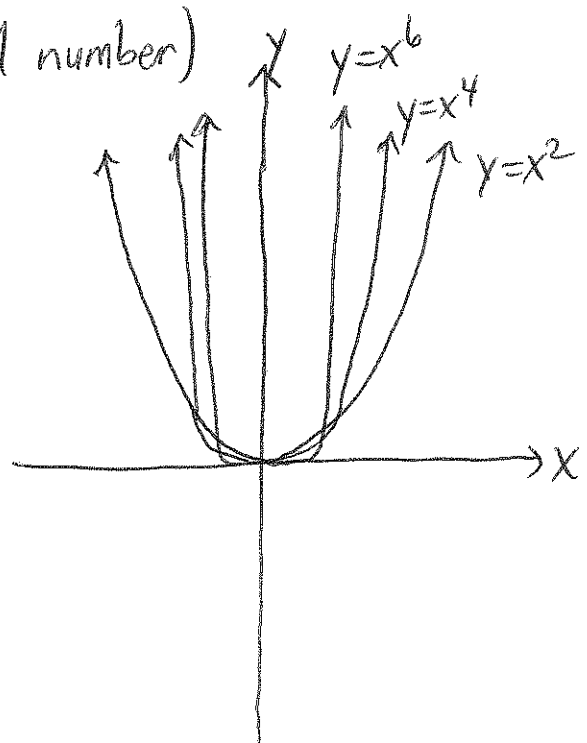


3.2A Power Functions

7. Graphs of $y=x^n$ (n a natural number)



n odd

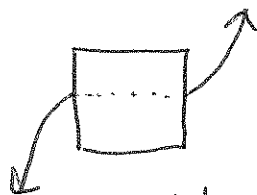


n even

As n gets larger, the graphs get steeper and flatten out more (near $(0,0)$)

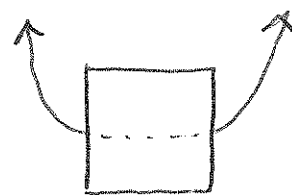
B. General Behavior

Depending on whether the power is odd or even, we have a common basic shape:



n odd

falls to the left
rises to the right



n even

rises to the left
rises to the right