### 1.2 Parent Functions

Objectives:

1. I can graph parent functions

- Linear
- Absolute Value
- Exponential
- Quadratic
- Cubic
- Square Root
- Cube root

Equation: $f(x)=|x|$

$f(x)=|x|$


## Absolute Value



Domain $(-\infty, \infty)$
Range ( $0, \infty$ )
Increasing $(0, \infty)$
Decreasing $-\infty, 0]$
Left End Behavior $\infty$
Right End Behavior 0
Odd/Even/Neither
x-intercepts $(0,0)$
y-intercepts $(0,0)$
Maximum None
Minimum $(\bigcirc, 0)$
One-to-One 10
Asymptotes/ no
Discontinuities





Think-Pair-Share Identify the parent graph
1.

sq. root
2.

exp.
3.

cubic
4.

quadratic
5.
6.
cube root

linear
7.

abs val.

