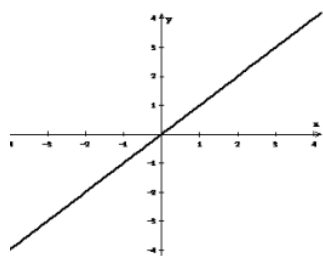


Math 3 Honors Unit 1 Day 3 - Identifying Graphs

Linear

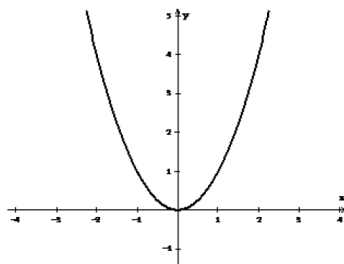


Parent Function $f(x) =$

Domain _____

Range _____

Quadratic



Parent Function $f(x) =$

Domain _____

Range _____

Exponential

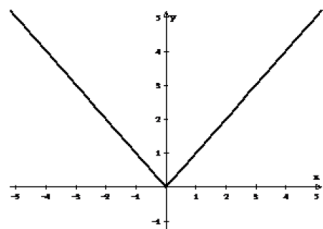


Parent Function $f(x) =$

Domain _____

Range _____

Absolute Value

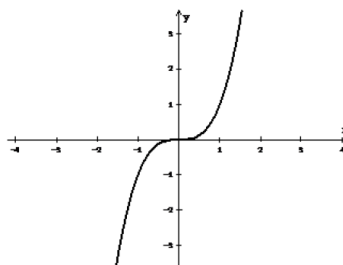


Parent Function $f(x) =$

Domain _____

Range _____

Cubic



Parent Function $f(x) =$

Domain _____

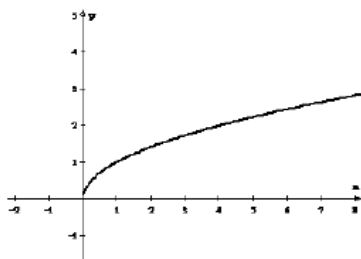
Range _____

Quartic



Parent Function $f(x) =$

Radical

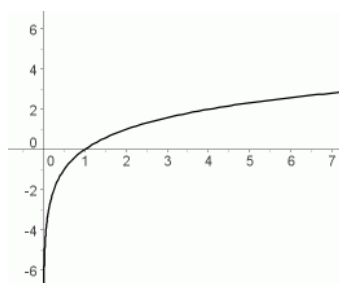


Parent Function $f(x) =$

Domain _____

Range _____

Logarithmic



Parent Function $f(x) =$

Domain _____

Range _____

Using Rate of Change to Identify a Graph

1.

x	-4	-2	0	2	4	6
$f(x)$	-8	4	0	4	8	12

2.

x	0.5	1	1.5	2	2.5	3
$f(x)$.25	1	2.25	4	6.25	9

3.

x	-2	-1	0	1	2	3
$f(x)$	1/9	1/3	1	3	9	27

Find the concavity of each function from the table and identify the type of function it most likely represents.

4.

x	-2	-1	0	1	2	3
y	9	-1	1	-3	-7	19

5.

x	1	2	3	4	5	6
y	1	3	9	27	81	243