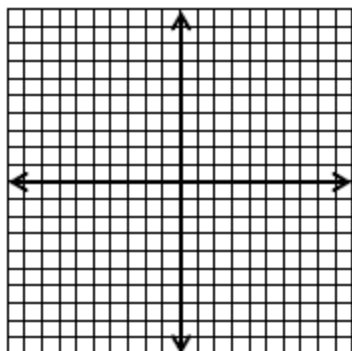


The Fourteen Basic Functions & Their Properties

The Identity Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

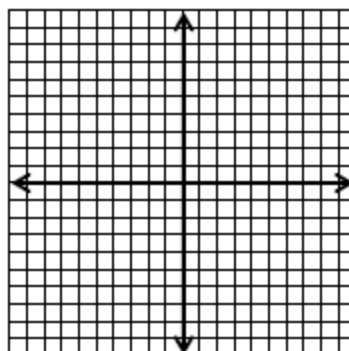
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Squaring Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

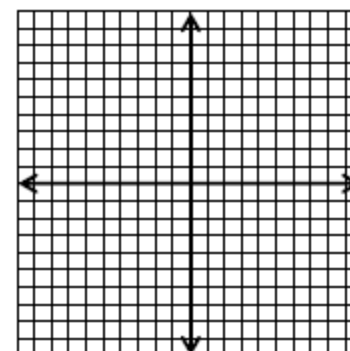
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Cubing Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

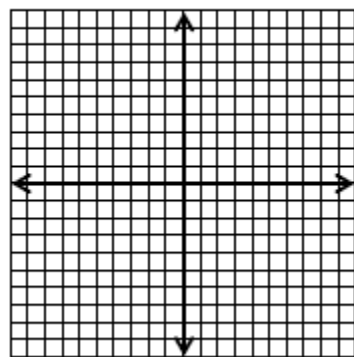
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Absolute Value Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

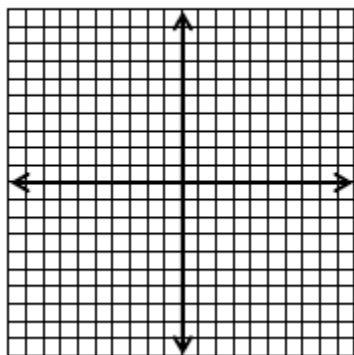
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Square Root Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

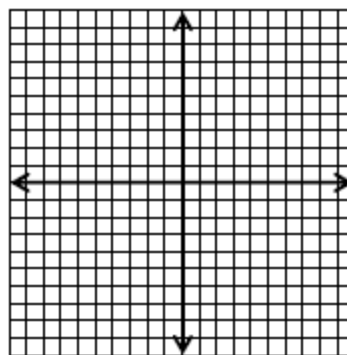
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Cube Root Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

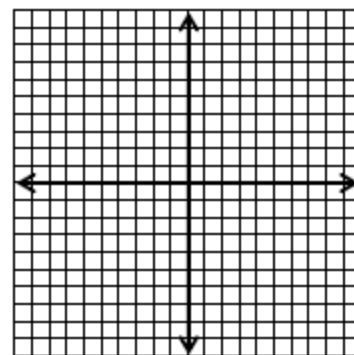
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Greatest Integer Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

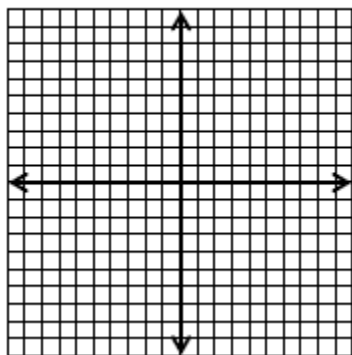
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Reciprocal Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

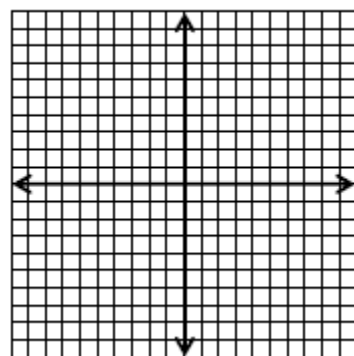
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Exponential Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

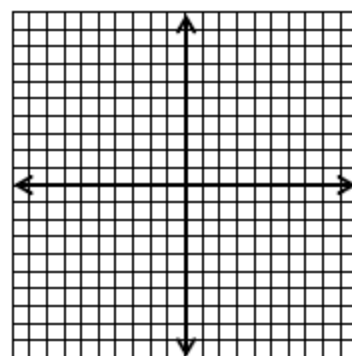
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Natural Logarithm Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

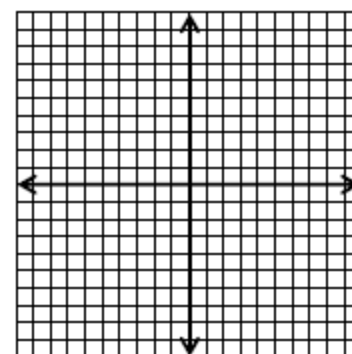
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Logistic Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

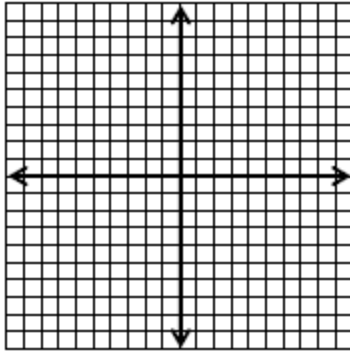
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Sine Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

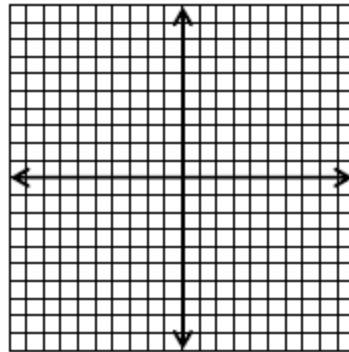
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Cosine Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

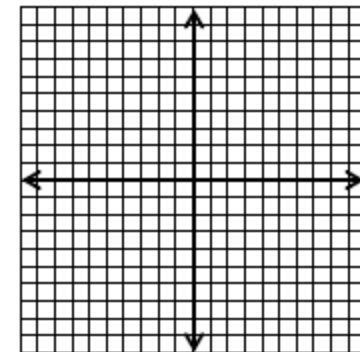
Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

The Tangent Function



Function Rule _____

Domain _____

Range _____

Continuous YES/NO

Type of Discontinuity _____

Increasing _____

Decreasing _____

Constant _____

Bounded Above/ Bounded Below/

Bounded / Unbounded

Local Mins _____

Local Max _____

Absolute Mins _____

Absolute Max _____

Odd / Even / Neither

Vertical Asymptotes _____

Horizontal Asymptotes _____

