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| Function | Vertex | Min or Max? | Transformations | Domain | Range | x-intercept | y-intercept | Increasing Interval | Decreasing Interval | End Behavior |
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**Quadratic Functions – Parent Function** $y=x^{2}$

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| Function | First Point | Min or Max? | Transformations | Domain | Range | x-intercept | y-intercept | Increasing Interval | Decreasing Interval | End Behavior |
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 **Square Root Functions – Parent Function** $y=\sqrt{x}$

Notice that these functions do not have a vertex!

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| Function | Min or Max? | Transformations | Domain | Range | Horizontal Asymptote | Vertical Asymptote | Increasing Interval | Decreasing Interval | End Behavior |
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**Inverse Variation Functions – Parent Function** $y=\frac{1}{x}$