

Name: _____

Period: _____

Algebra 2A Worksheet – Parent Functions

| FUNCTION | EQUATION | GRAPH | CHARACTERISTICS | |
|----------------|----------------|-------|-----------------|--|
| Linear | $y = x$ | | Domain | |
| | | | Range | |
| | | | 1-1 | |
| | | | End Behavior | |
| | | | Intercepts | |
| | | | Extrema | |
| | | | Increasing | |
| | | | Decreasing | |
| | | | Continuity | |
| Quadratic | $y = x^2$ | | Domain | |
| | | | Range | |
| | | | 1-1 | |
| | | | End Behavior | |
| | | | Intercepts | |
| | | | Extrema | |
| | | | Increasing | |
| | | | Decreasing | |
| | | | Continuity | |
| Cubic | $y = x^3$ | | Domain | |
| | | | Range | |
| | | | 1-1 | |
| | | | End Behavior | |
| | | | Intercepts | |
| | | | Extrema | |
| | | | Increasing | |
| | | | Decreasing | |
| | | | Continuity | |
| Absolute Value | $y = x $ | | Domain | |
| | | | Range | |
| | | | 1-1 | |
| | | | End Behavior | |
| | | | Intercepts | |
| | | | Extrema | |
| | | | Increasing | |
| | | | Decreasing | |
| | | | Continuity | |
| Square Root | $y = \sqrt{x}$ | | Domain | |
| | | | Range | |
| | | | 1-1 | |
| | | | End Behavior | |
| | | | Intercepts | |
| | | | Extrema | |
| | | | Increasing | |
| | | | Decreasing | |
| | | | Continuity | |