## Quadratic Function

SUMMARY

| Rate of Change |  |
| :--- | :--- |
| Graph |  |
| Equations: Recursive |  |
| Explicit |  |

Example:

| $\boldsymbol{x}$ | $\boldsymbol{f ( x )}$ | $\mathbf{I}^{\text {st }}$ <br> diff. | $\mathbf{2}^{\text {nd }}$ <br> diff. |
| :---: | :---: | :---: | :---: |
| -4 | 11 |  |  |
| -3 | 4 |  |  |
| -2 | -1 |  |  |
| -1 | -4 |  |  |
| 0 | -5 |  |  |
| 1 | -4 |  |  |
| 2 | -1 |  |  |
| 3 | 4 |  |  |
| 4 | 11 |  |  |

Recursive Equation:


Explicit Equation:

