



Math II – Recursive Formulas

Name _____

| x | a(x) |
|----|------|
| -2 | 7 |
| -1 | 9 |
| 0 | 11 |
| 1 | 13 |
| 2 | 15 |
| 3 | 17 |
| 4 | 19 |

- linear
- quadratic

recursive formula

$$\begin{cases} a(0) = \\ a(x) = \end{cases}$$

| x | b(x) |
|----|------|
| -2 | 7 |
| -1 | 9 |
| 0 | 12 |
| 1 | 16 |
| 2 | 21 |
| 3 | 27 |
| 4 | 34 |

- linear
- quadratic

recursive formula

$$\begin{cases} b(0) = \\ b(x) = \end{cases}$$

| x | c(x) |
|----|------|
| -2 | 3 |
| -1 | 5 |
| 0 | 9 |
| 1 | 15 |
| 2 | 23 |
| 3 | 33 |
| 4 | 45 |

- linear
- quadratic

recursive formula

$$\begin{cases} c(0) = \\ c(x) = \end{cases}$$

| x | d(x) |
|----|------|
| -2 | 20 |
| -1 | 15 |
| 0 | 10 |
| 1 | 5 |
| 2 | 0 |
| 3 | -5 |
| 4 | -10 |

- linear
- quadratic

recursive formula

$$\begin{cases} d(0) = \\ d(x) = \end{cases}$$

| x | e(x) |
|----|------|
| -2 | 200 |
| -1 | 150 |
| 0 | 110 |
| 1 | 80 |
| 2 | 60 |
| 3 | 50 |
| 4 | 50 |

- linear
- quadratic

recursive formula

$$\begin{cases} e(0) = \\ e(x) = \end{cases}$$

| x | f(x) |
|----|------|
| -2 | |
| -1 | |
| 0 | |
| 1 | |
| 2 | 59 |
| 3 | 56 |
| 4 | 53 |

- linear
- quadratic

recursive formula

$$\begin{cases} f(0) = \\ f(x) = \end{cases}$$

| x | g(x) |
|----|------|
| -2 | |
| -1 | |
| 0 | |
| 1 | 65 |
| 2 | 60 |
| 3 | 56 |
| 4 | 53 |

- linear
- quadratic

recursive formula

$$\begin{cases} g(0) = \\ g(x) = \end{cases}$$

| x | h(x) |
|----|------|
| -4 | 21 |
| -3 | 14 |
| -2 | 9 |
| -1 | 6 |
| 0 | 5 |
| 1 | 6 |
| 2 | 9 |

- linear
- quadratic

recursive formula

$$\begin{cases} h(0) = \\ h(x) = \end{cases}$$

| x | i(x) |
|----|------|
| -4 | 21 |
| -3 | 15 |
| -2 | 9 |
| -1 | 3 |
| 0 | |
| 1 | |
| 2 | |

- linear
- quadratic

recursive formula

$$\begin{cases} i(0) = \\ i(x) = \end{cases}$$

| x | j(x) |
|----|------|
| -4 | 100 |
| -3 | 104 |
| -2 | 110 |
| -1 | 118 |
| 0 | |
| 1 | |
| 2 | |

- linear
- quadratic

recursive formula

$$\begin{cases} j(0) = \\ j(x) = \end{cases}$$

| x | k(x) |
|----|------|
| -4 | 100 |
| -3 | 103 |
| -2 | 104 |
| -1 | 103 |
| 0 | 100 |
| 1 | 95 |
| 2 | 88 |

- linear
- quadratic

recursive formula

$$\begin{cases} k(0) = \\ k(x) = \end{cases}$$

| x | l(x) |
|----|------|
| -5 | 6 |
| -4 | 13 |
| -3 | 19 |
| -2 | 24 |
| -1 | |
| 0 | |
| 1 | |

- linear
- quadratic

recursive formula

$$\begin{cases} l(0) = \\ l(x) = \end{cases}$$