Give a plausible 7th term for each of these sequences.
If you can, for each sequence:

- give a plausible value for the 100th term
- write a plausible position-to-term sequence generating rule for the value of $n^{th}$ term
- describe a plausible term-to-term sequence generating rule

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | $n$ |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 11 | 14 | 17 | 20 | 23 | 26 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | $n$ |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 3 | 8 | 15 | 24 | 35 | 48 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | $n$ |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 3 | 12 | 27 | 48 | 75 | 108 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | $n$ |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | –3 | 0 | 5 | 12 | 21 | 32 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | $n$ |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 9 | 16 | 25 | 36 | 49 | 64 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | $n$ |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 1 | 3 | 6 | 10 | 15 | 21 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | $n$ |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 2 | 5 | 9 | 14 | 20 | 27 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | *n* |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 6 | 12 | 24 | 48 | 96 | 192 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | *n* |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 175 | 35 | 7 | 1·4 | 0·28 | 0·056 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | *n* |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 2 | 10 | 30 | 68 | 130 | 222 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | *n* |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 9 | 99 | 999 | 9999 | 99999 | 999999 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | *n* |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 2 | 5 | 7 | 2 | 5 | 7 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | *n* |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 1 | 1 | 2 | 3 | 5 | 8 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | *n* |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 1 | 2 | 2 | 3 | 2 | 4 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | *n* |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 3 | 3 | 5 | 4 | 4 | 3 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | *n* |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 2 | 4 | 8 | 16 | 31 | 57 | | | |

| position in sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 100 | *n* |
|---|---|---|---|---|---|---|---|---|---|
| value of term in that position | 1 | 11 | 21 | 1211 | 111221 | 312211 | | | |