Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_ Practice 4

Write three **different** **explicit** equations from the following table. Use caution when finding the common difference.

|  |  |
| --- | --- |
| x | f(x) |
| 3 | 19 |
| 5 | 25 |
| 7 | 31 |

Write three **different** equations in **point-slope** form from the following table. Use caution when finding the slope.

|  |  |
| --- | --- |
| x | f(x) |
| 3 | 19 |
| 5 | 25 |
| 7 | 31 |

Describe each pattern in words, then give the next three numbers in the sequence.

|  |  |  |
| --- | --- | --- |
| Sequence | Describe pattern In Words | Next three numbers |
| -10, -8, -6, -4… |  |  |
| 2, -6, 18… |  |  |
| 100, 50, 25… |  |  |
| 12, 19, 26, 33… |  |  |

Write an equation for each graph in slope-intercept form.



State whether each table is linear, exponential, or neither

|  |  |
| --- | --- |
| x | f(x) |
| 3 | 88 |
| 4 | 44 |
| 5 | 0 |
| 6 | -44 |

|  |  |
| --- | --- |
| x | f(x) |
| 3 | 2 |
| 4 | 7 |
| 5 | 12 |
| 6 | 17 |

|  |  |
| --- | --- |
| x | f(x) |
| 3 | 8 |
| 5 | 20 |
| 6 | 26 |
| 8 | 38 |