

Linear Equations Test 3

Answer the questions in the spaces provided on the question sheets. Be sure to **show your work to earn full credit**. You **MAY** use a calculator to help you. If you run out of room for an answer, raise your hand to ask for an extra piece of paper.

Name and period: _____

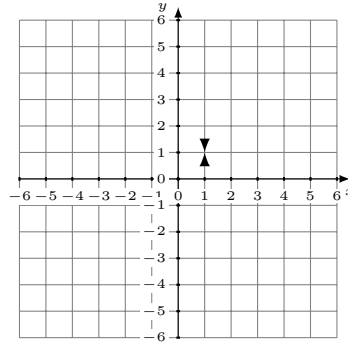
- 1) State whether the table represents a proportional or non-proportional relationship, and identify its rate of change

x	y
-2	1
0	-3
1	-5
3	-9

- 2) State whether the table represents a proportional or non-proportional relationship, and identify its rate of change

x	y
-3	-6
0	0
2	4
5	10

- 4) Write an equation for the arithmetic sequence $(-11, -5, 1, 7, \dots)$.



- 5) The arithmetic sequence $(6, 8, 10, 12, \dots)$ is represented by the equation $y = 2x + 4$. Find the 100th term of the sequence.

- 3) Graph the first 4 terms of the sequence $(-3, -1, 1, 3, 5, \dots)$

