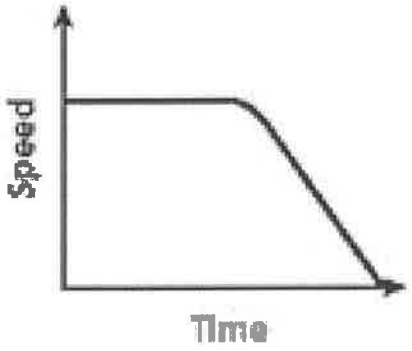
Algebra 1 Name: Key Period: _____

Moore/Hinds Review 3.1-3.2

State a possible situation for each graph.

1.

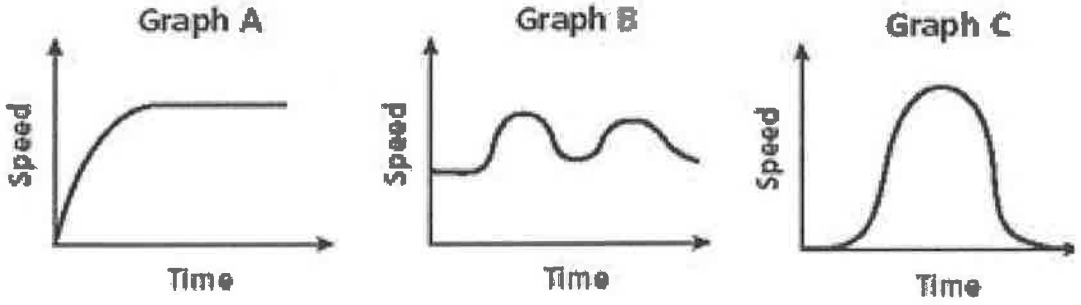


You are running at a constant speed before gradually slowing to a stop

2

Each serving of ice cream is 100 calories.

Choose the graph that best represents each situation.



3. B A person alternates between running and walking

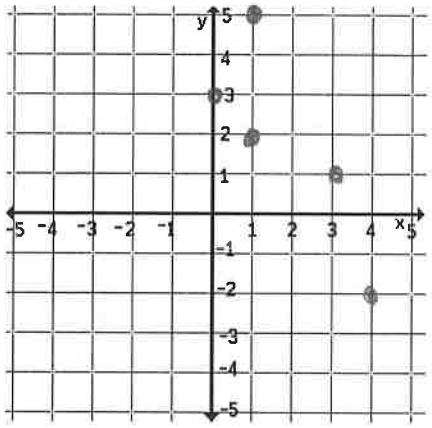
4. A A person gradually picks up speed to a constant running pace.

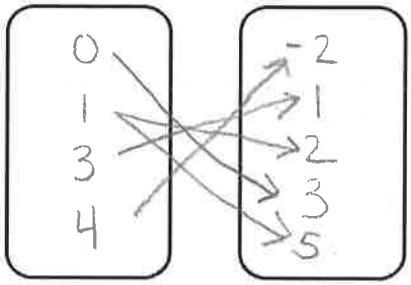
5. C A person walks, gradually speeds up to a run, and then slows back down.

Write the relation in three different ways. Then, state the domain and range and whether it is a function.

6. Express the relation {(1, 5), (3, 1), (4, -2), (0, 3), (1, 2)} as a table, graph, and mapping diagram.

x	y
1	5
3	1
4	-2
0	3
1	2





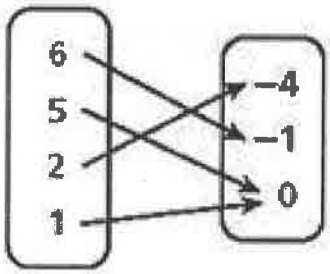
Domain: {0, 1, 3, 4}

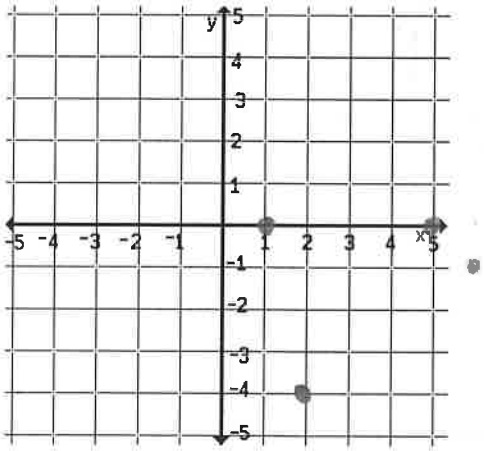
Range: {-2, 1, 2, 3, 5}

Function: YES / (NO)

Explain: 1 maps to 2 and 5

7. Express the relation as a graph, a table, and a set of ordered pairs





x	y
6	-1
5	0
2	-4
1	0

{(6, -1), (5, 0), (2, -4), (1, 0)}

Domain: {1, 2, 5, 6}

Range: {-4, -1, 0}

Function: (YES) / NO

Explain: Every x-value is paired with exactly 1 y-value