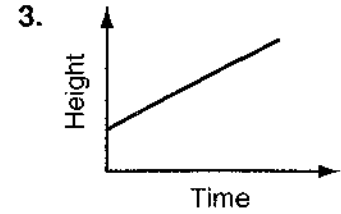
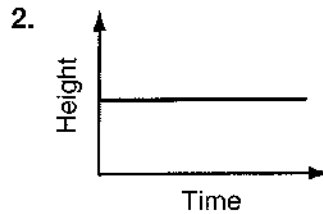
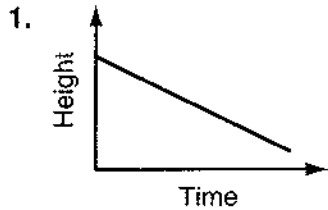
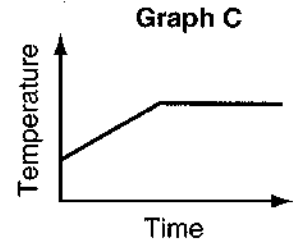
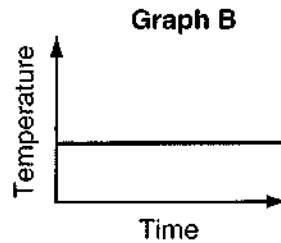
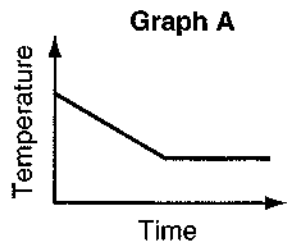


LESSON
4-1 Practice A
Graphing Relationships

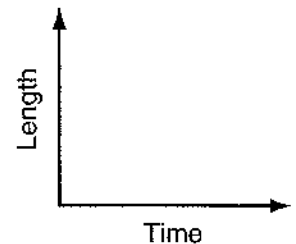
For each, write if the height is *rising*, *falling*, or *staying the same*.



Choose the graph that best represents each situation.



4. The temperature of the water in a glass remained constant. _____
5. The temperature of the water in a glass rose steadily for several hours until it reached room temperature, then remained constant. _____
6. The temperature of the water in a glass cooled down steadily with the addition of ice, then remained constant when all the ice had melted. _____
7. Don's hair grows steadily longer between haircuts. Sketch a graph to show the length of Don's hair between two haircuts. Is the graph continuous or discrete?



Write a possible situation for the graph.



Name _____ Date _____

Comparing Functions in two different representations

DIRECTIONS: Compare the rate of change for the following functions.

Is A greater than B, A less than B, A equal to B, etc.

1.

A

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

B
 $y = -\frac{1}{2}x + 1$

2.

A

x	y
5	0
0	2.5
-5	5
-10	7.5

B
 $y = -5x + 5$

3.

A

x	y
3	1
4	-2
5	-5
6	-8

B
 $y = -x - 3$

4.

A

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

B
 $y = 2x - 4$

5.

A

x	y
0	5
1	8
2	11
3	14

B
 $y = 2x - 3$

6.

A

x	y
3	10
5	2
7	-6
9	-14

B
 $y = -2x - 3$

7.

A

x	y
2	1
5	10
8	19
11	28

B
 $y = 3x - 3$

8.

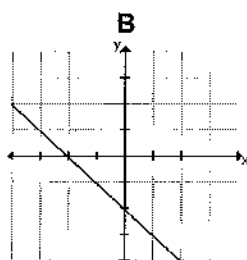
A

x	y
2	10
4	6
6	2
8	-2

B
 $y = -1x - 3$

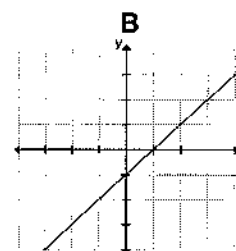
9.

A
 $y = -2x - 2$



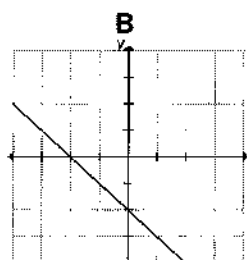
10.

A
 $y = 2x - 1$



11.

A
 $y = -x + 2$



12.

A

x	y
0	0
1	-2
2	-4
3	-6

