Name_____ Date_____

Comparing Linear Patterns

1. a) Each expression represents a linear pattern.
   For each pattern, complete the table of values.

A: $2x + 2$

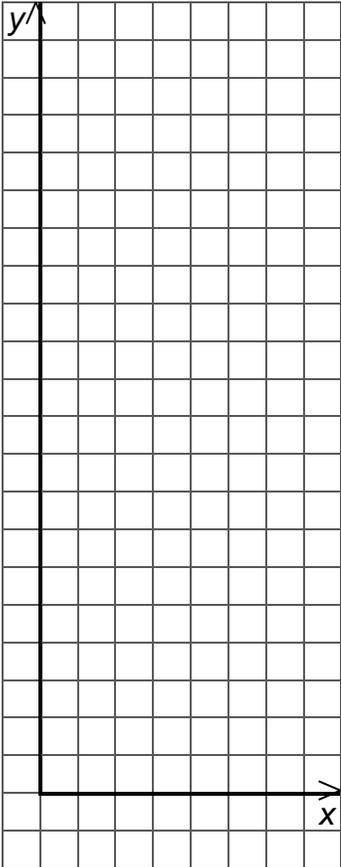| x	$2x + 2$
0	
1	
2	
3	

B: $3x + 2$

x	$3x + 2$
0	
1	
2	
3	

C: $4x + 2$

x	$4x + 2$
0	
1	
2	
3	

Comparing Linear Patterns (cont'd)

b) Graph each pattern on the grid provided. Join each set of points with a line.

c) How do the expressions compare?
   How do the lines on the graph compare?

Comparing Linear Patterns (cont'd)

2. a) Each expression represents a linear pattern.
   For each pattern, complete the table of values.

A: 3x + 1

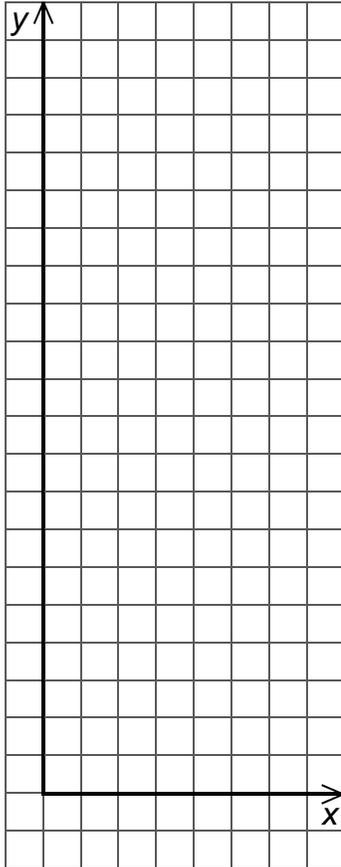| x	3x + 1
0	
1	
2	
3	

B: 3x + 3

x	3x + 3
0	
1	
2	
3	

C: 3x + 5

x	3x + 5
0	
1	
2	
3	

Name_____ Date_____

Comparing Linear Patterns (cont'd)

b) Graph each pattern on the grid provided. Join each set of points with a line.

c) How do the expressions compare?
   How do the lines on the graph compare?