Name_____ Date_____

Comparing Linear Patterns

1. a) Each pattern is shown as an expression and in another form.
   Complete the table of values for pattern B.
   Add graphs of patterns B and C to the graph of pattern A.

   B: $2x + 4$
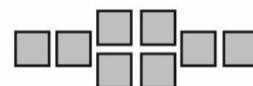
   | Term 0 | Term 1 | Term 2 | Term 3 |

Term number, x	Term value, y
0	
1	
2	
3	

   C: $-x + 4$

x	$-x + 4$
0	4
1	3
2	2
3	1

   A: $-2.5x + 4$
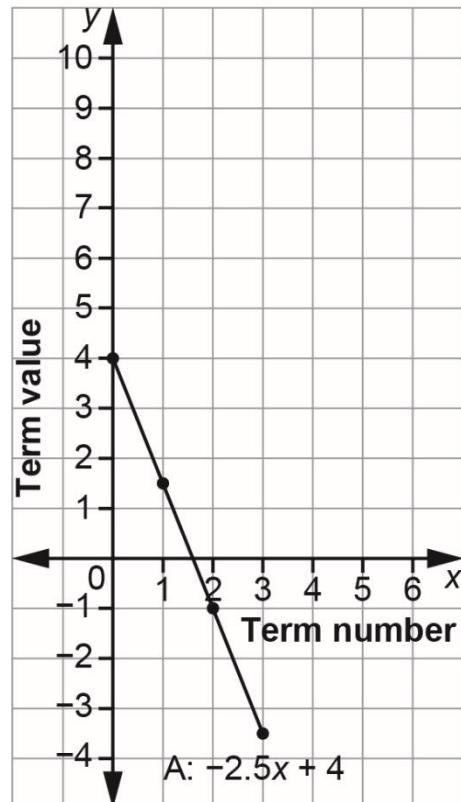
Comparing Linear Patterns (cont'd)

b) How do the expressions compare?
How do the graphs compare?

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

A: –2*x*

x	–2*x*
0	
1	
2	
3	

B: –2*x* + 2

x	–2*x* + 2
0	
1	
2	
3	

C: –2*x* + 4

x	–2*x* + 4
0	
1	
2	
3	

Name_____ Date_____

Comparing Linear Patterns (cont'd)

b) Graph each pattern on the grid below.
You can join each set of points with a line.
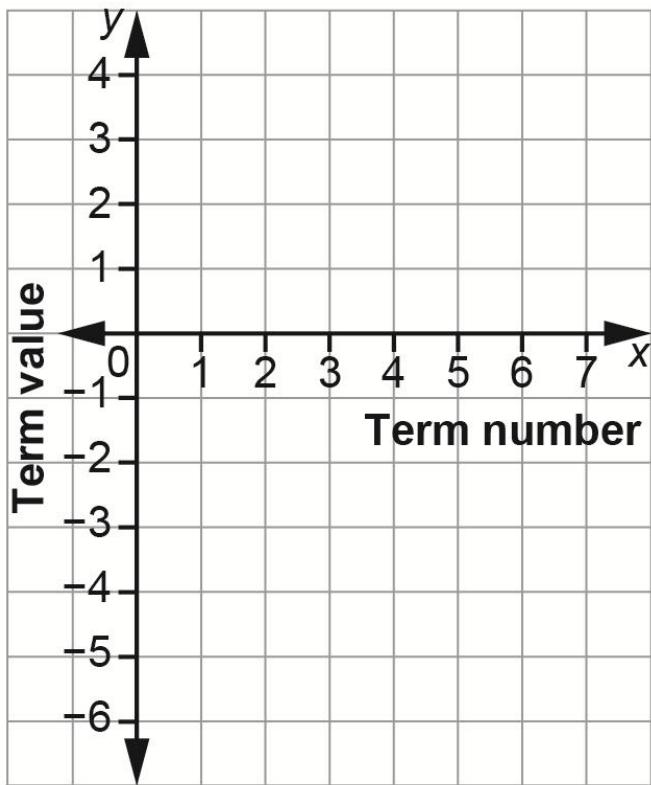
c) How do the expressions compare?
How do the lines on the graph compare?