

Name: _____

Date: _____

Learning Goal 4.1

I can generalize a pattern using linear relations.

There are 8 tables set up, with 4 different patterns on each. For each table

- Draw the next 2 figures in the pattern,
- Describe how the pattern works in words **in two different ways**, and
- Describe what the n^{th} figure would look like

	Pattern 1	Pattern 2	Pattern 3	Pattern 4
Figure 4				
Figure 5				
Description 1				
Description 2				
Figure n				

Can we change the words to an equation?

	Pattern 1	Pattern 2	Pattern 3	Pattern 4
Description 1				
Description 2				
Figure n				
Figure 15				

Example A landscape designer uses wooden boards as edging for the plots in an herb garden. Show the relationship in a picture, a table of values, and an equation

1 plot	2 plots	3 plots	4 plots

# of Plots	# of Boards