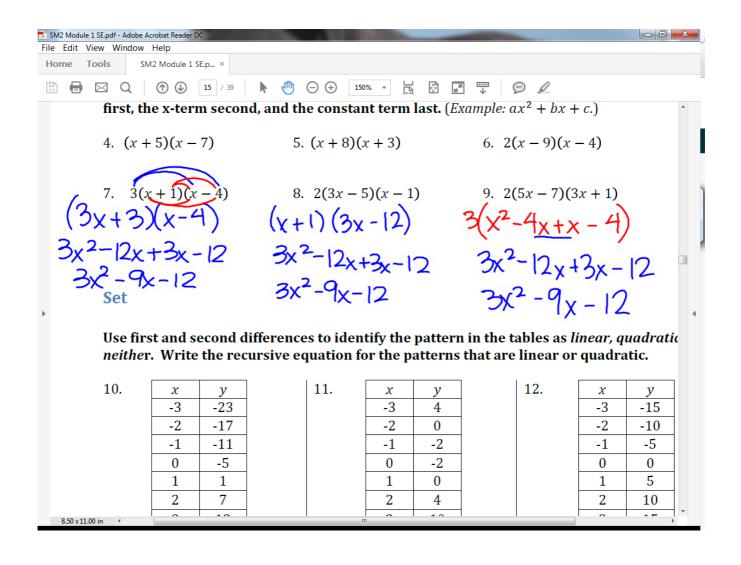
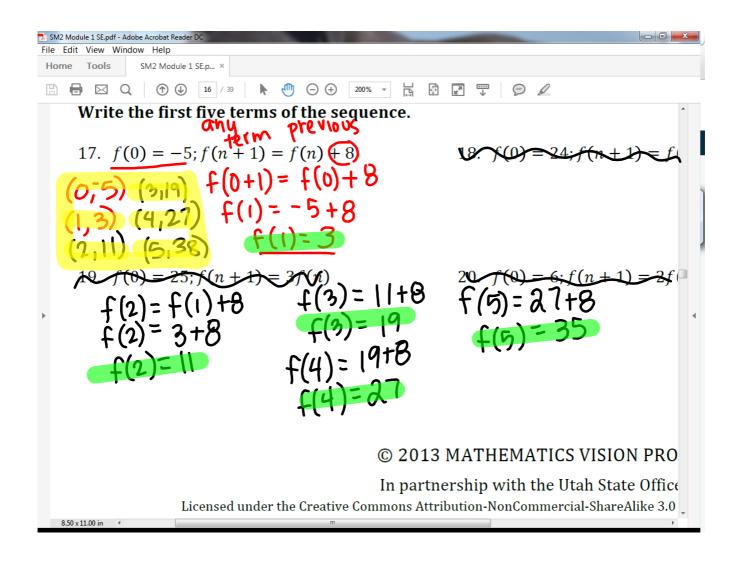
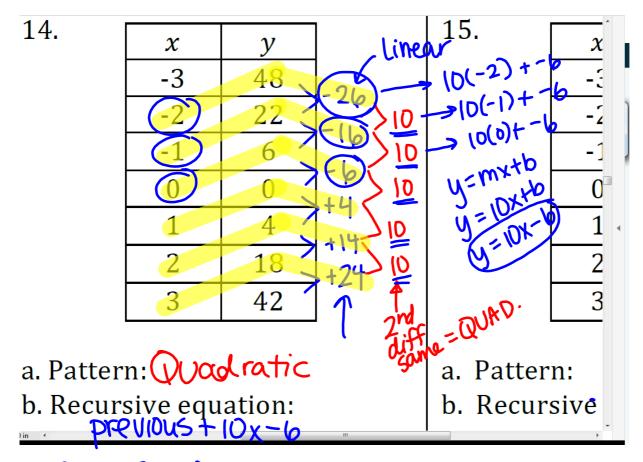
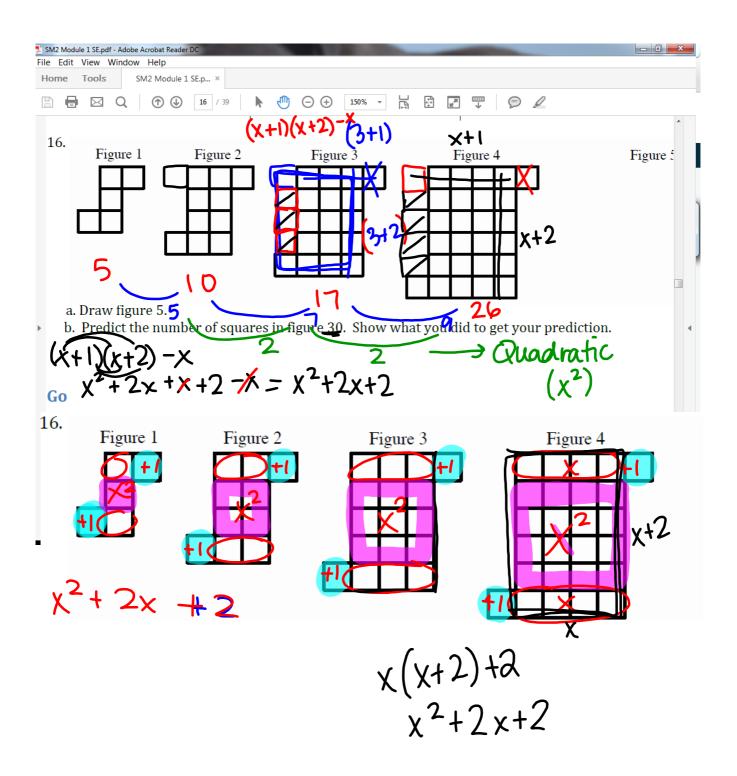
Questions on 1.3? We will take our quiz soon!

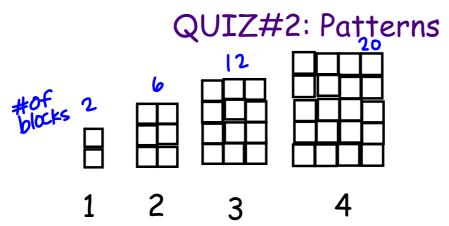






f(x) = f(x-1) + 10x - 6





- 1) Is the following pattern linear, exponential, or quadratic?
- 2) Write an explicit formula for the pattern.

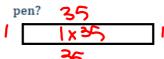
## 1.4 Rabbit Run

A Solidify Understanding Task

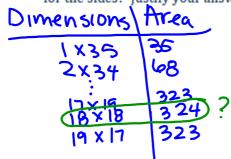
Misha has a new rabbit that she named "Wascal". She wants to build Wascal a pen so that the rabbit has space to move around safely. Misha has purchased a 72 foot roll of fencing to build a rectangular pen.



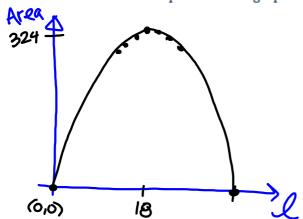
1. If Misha uses the whole roll of fencing, what are some of the possible dimensions of the

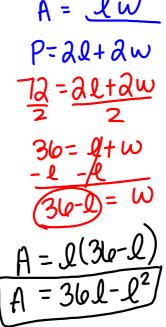


2. If Misha wants a pen with the largest possible area, what dimensions should she use for the sides? Justify your answer.



3. Write a model for the <u>area</u> of the rectangular pen in terms of the length of one side. Include both an equation and a graph.





4. What kind of function is this? Why?

5. How does this function compare to the second type of block I logos in I Rule?

## Homework/Classwork

Finish 1.4