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Recursive and Explicit Equations			
Functions	Recursive: A pattern that begins with a term f(I) and describes how to get the next term f(x) from the pervious term f(x-I)	EXPLICIE: An equation that does not need the previous term to find a specific term in the pattern.	
Linear	f(0) = b f(x) = f(x - 1) + c Where c is the constant growth.	f(x) = mx + b	
Exponential	f(0) = b f(x) = f(x - 1) * r Where r is the ratio to multiply by. This is either a whole number or fraction.	$f(x) = b * r^x$	
Quadratic	f(0) = b f(x) = f(x - 1) + mx + b MX +b is the linear growth.	$f(x) = ax^{2} + bx + c$ $a = 2nd \ difference \div 2$ $b = After \ a \ and \ c,$ $use \ any \ point \ to \ find \ b.$ $c = y \ when \ x = 0$	

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