

# 11-6 Redux!

Name: \_\_\_\_\_

$$\textcircled{1} \quad a_1 = 7; \quad a_{n+1} = 2a_n + 9$$

$$a_2 = a_{\square+1} = 2a_{\square} + 9$$

$$a_3 = a_{\square+1} = 2a_{\square} + 9$$

$$a_4 = a_{\square+1} = 2a_{\square} + 9$$

$$a_5 = a_{\square+1} = 2a_{\square} + 9$$

$$\textcircled{2} \quad a_1 = -3; \quad a_{n+1} = a_n - n + 1$$

$$a_2 = a_{\square+1} = a_{\square} - \square + 1$$

$$a_3 = a_{\square+1} = a_{\square} - \square + 1$$

$$a_4 = \square+1 = a_{\square} - \square + 1$$

$$a_5 = \square+1 = a_{\square} - \square + 1$$

Side ONE

$$(3) a_1 = 2; a_2 = -3; a_{n+1} = -2a_n + a_{n-1}$$

$$a_3 = a_{\square+1} = -2a_{\square} + a_{\square-1}$$

$$a_4 = a_{\square+1} = -2a_{\square} + a_{\square-1}$$

$$a_5 = a_{\square+1} = -2a_{\square} + a_{\square-1}$$

(4) Find the first three (3) iterates given initial value!

$$f(x) = 5x - 2, x_0 = 4$$

$$x_1 = 5(\quad) - 2$$

$$x_2 = 5(\quad) - 2$$

$$x_3 = 5(\quad) - 2$$