

Name \_\_\_\_\_

## Warm Up 13

1. Which function fits with the sequence in the given table?

x	f(x)
1	-5
2	0
3	5
4	10

a.  $f(x) = 2 - 5x$

b.  $f(x) = 5x - 10$

c.  $f(x) = f(x-1) + 5 ; f(3) = -10$

d.  $f(x) = 25(5^x)$

2. Which recursive function fits with the explicit function  $h(t) = 5t + 2$

a.  $f(x) = f(x-1) + 2 ; f(1) = 5$

c.  $f(x) = f(x-1) + 5 ; f(2) = 0$

b.  $f(x) = f(x-1) + 5 ; f(0) = 2$

d.  $f(x) = 3(x-1)$

3. Which explicit function fits with the recursive function

$r(n) = r(n-1) \cdot 9 ; r(0) = 5$

a.  $f(x) = 9x + 5$

c.  $f(x) = 5x + 9$

b.  $f(x) = 5(9^x)$

d.  $f(x) = 9(5^x)$

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