

Name _____

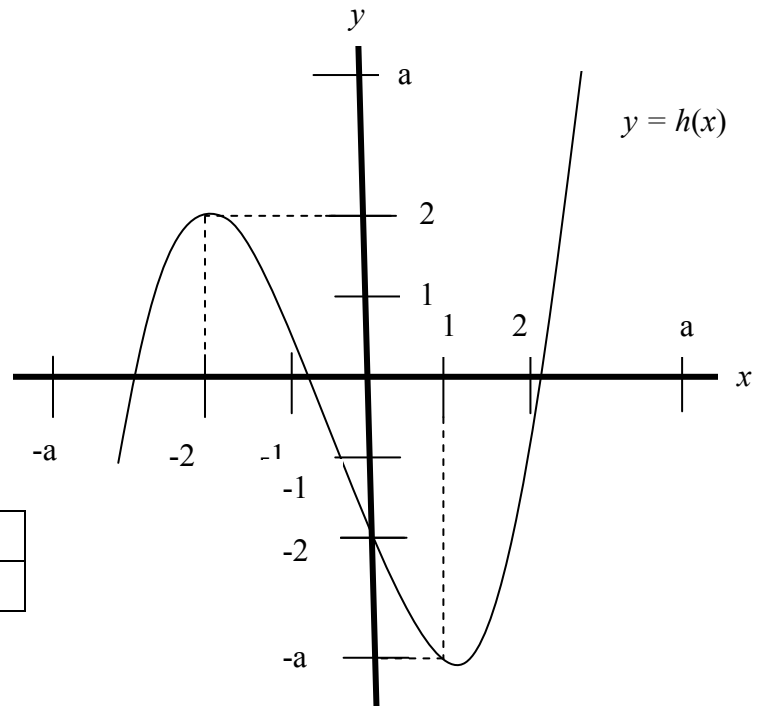
More Fun with FUNctions

Use the functions given below to answer the following questions. *Note: Some of your answers may contain the constant a .*

$$p(t) = \begin{cases} 3 & \text{for } t < 0 \\ t^2 + 1 & \text{for } t > 0 \end{cases}$$

$$f(m) = 2^m$$

k	$-a$	-1	0	1	3	7
$s(k)$	1	0	$-a$	2	1	a



1. $f(1) + s(3)$

5. $7h(-2)$

2. $h(f(0))$

6. $f(f(2))$

3. $s(p(-1) + 4)$

7. If $h(x) = -a$, find x .

4. $s(-a) - p(3)$

8. If $s(k) + f(2) = 6$, find k .