

		$f(x)$	
		x	y
A	-1	0	
B	0	4	
C	<u>2</u>	2	
D	4	2	

		$g(x)$	
		x	y
A	-3	4	
B	<u>-1</u>	0	
C	<u>3</u>	2	
D	7	2 *	

h.t of -1

$$b(2) - 1 = 3$$

$$2b - 1 = 3$$

$$2b = 4$$

$$b = 2$$

$$(x, y) \rightarrow (2x - 1, -y + 4)$$

$$y = -f\left(\frac{1}{2}(x+1)\right) + 4$$

vt of 4

$$a(2) + 4 = 2$$

$$2a + 4 = 2$$

$$2a = -2$$

$$a = -1$$

2. $f(x)$

	x	y
A	-4	-3
B	-2	3
C	4	6
D	6	-3

$$b(-4) + h = 2$$

$$\boxed{-4b + h = 2}$$

$$b(-2) + h = 3$$

$$\boxed{-2b + h = 3}$$

Solve for h:

$$2\left(\frac{1}{2}\right) - h = -3$$

$$1 - h = -3$$

$$-h = -4$$

$$h = 4$$

$$(x, y) \rightarrow \left(\frac{1}{2}x + 4, -\frac{1}{3}y - 2\right)$$

 $g(x)$

	x	y
A	2	-1
B	3	-3
C	6	-4
D	7	-1

$$-4b + h = 2$$

$$\underline{-(-2b + h = 3)}$$

$$-4b + h = 2$$

$$2b - h = -3$$

$$\underline{-2b = -1}$$

$$b = \frac{1}{2}$$