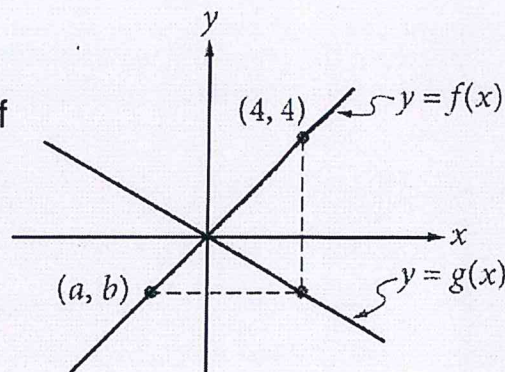


1. The graphs of the functions f and g , defined by $f(x)=x$ and $g(x)= -0.5x$, are shown in the xy -plane. If the vertical dashed line is parallel to the y -axis and the horizontal dashed line is parallel to the x -axis, what is the value of $a+b$?

- A) -4 B) -2 C) 2 D) 4



2. The table below gives the values of the function f for some values of x . Which of the following equations could define f ?

x	$f(x)$
0	5
1	$\frac{5}{2}$
2	$\frac{5}{4}$
3	$\frac{5}{8}$

- A. $f(x) = 5(2^{x+1})$ B. $f(x) = 5(2^x)$ C. $f(x) = 5(2^{-(x+1)})$ D. $f(x) = 5(2^{-x})$

3. The function f is defined by $f(x) = 2b^x$, where b is a constant. The graph of f in the xy -plane passes through the point $(1,1)$. What is the value of $f(-1)$?

- A. -4 B. -1 C. 1 D) 4

