Geogebra Activity Guide

1.	Find the slope of f(x).
2.	Find the slope when $g(x)$ is parallel to the line $f(x)$.
3.	Find the slope when $g(x)$ is perpendicular to the line $f(x)$
4.	What does slider m affect when moved?
5.	What does slider b affect when moved?
6.	When $b = 0$, what is true for both graphs $f(x)$ and $g(x)$?

7. Complete the following table:

m and b	f(x)	g(x)	Slope	Y-intercept	Parallel, Perpendicular, or neither
m= 0, b=5					
m= 4.5, b=0					
m= -6, b=1					
m=.5, b=10					
m= 2, b= -6					
m=1, b=0					

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8.	Were any fun	ctions g(x) sin	milar or identi	cal to the funct	ion $f(x)$? If so,	which one(s)?
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