

1 | Let $F(x) = \int_0^x f(t)dt$

1.1 | complete the table

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

1.2 | sketch the function

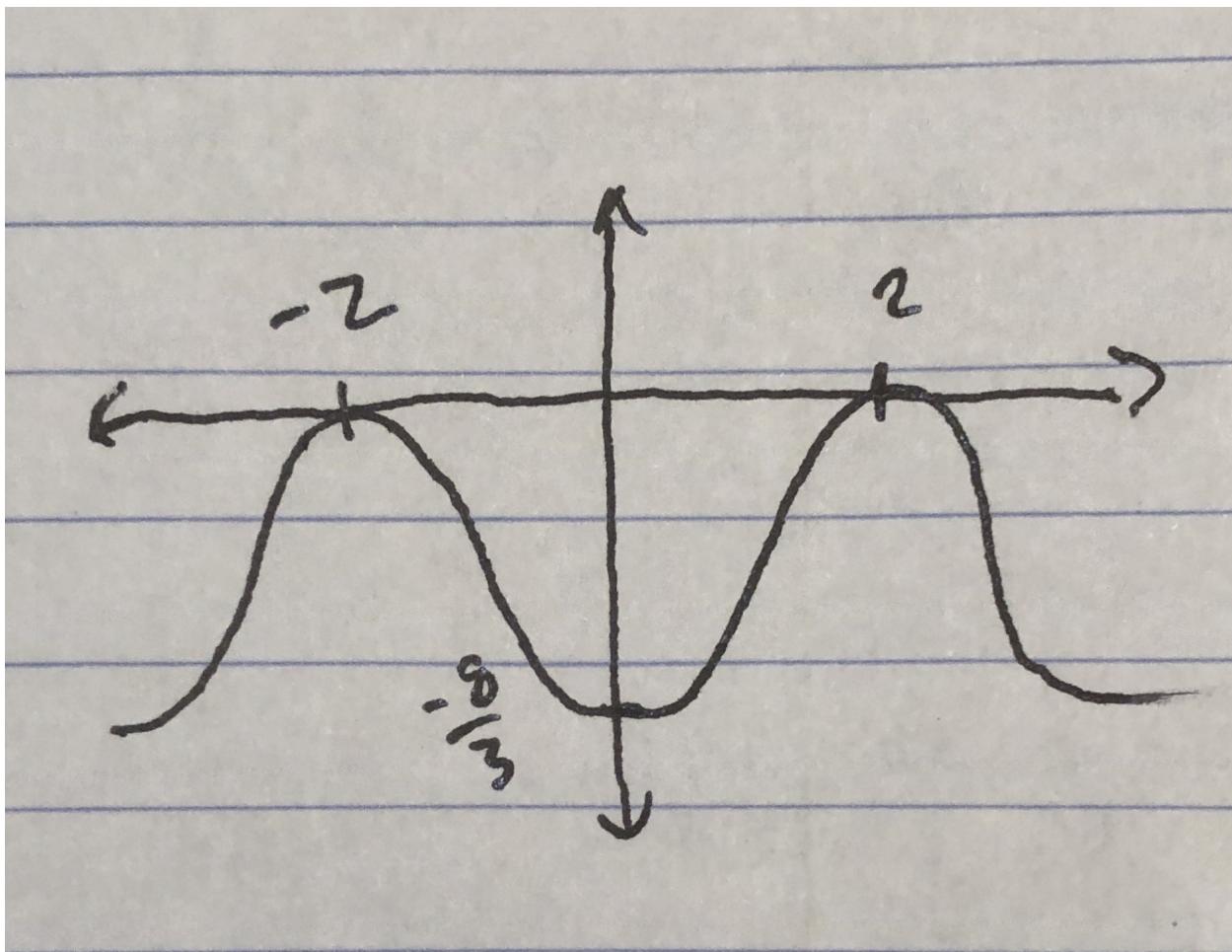


2 | $G(x) = \int_2^x f(t)dt$

2.1 | complete the table

x	0	1	2	3	4
G(x)	$-\frac{8}{3}$	$-\frac{4}{3}$	0	$-\frac{4}{3}$	$-\frac{8}{3}$

2.2 | sketch the function



3 | 3

3.1 | complete the table

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

3.2 | sketch the function

same as 1b

4 | complete the table

	$F(x)$	$G(x)$	$H(x)$
maximum			
minimum			
increases			
decreases			