

Math 131 quiz 6 **BRIDEN** Name:

1. A new clothing store opens at Providence Place Mall and its rate of sales keeps increasing as time goes on. The following data are from the start of each month:

Start of month:	0	1	2	3	4	5	6
Rate of sales (in \$ thousands)	5	7	8	10	13	16	20

a) Make an overestimate and an underestimate of the total sales for the first 6 months.

b) Give an approximate estimate of total sales for the first 6 months.

2. Values for a function $f(x)$ are in the following table.

Estimate:

$$\int_{20}^{30} f(x) dx$$

x	20	22	24	26	28	30
f(x)	500	750	1100	1850	2900	4600