Name:	
Section 1.2 - In class	example
Math 151	

1.	Annual revenue	R from	n McDonald's	restaurants	worldwide can	be estimated	bv

$$R = 19.0 + 2.0t$$

where R is in billion dollars and t is in years since January 1, 2015.

(a) What is the slope of the revenue function? Include units. Interpret the slope in terms of McDonald's' Revenue.

(b) What is the vertical intercept of this function? Include units. Interpret the vertical intercept in terms of McDonald's revenue.

(c) What annual revenue does the function predict for 2015?

(d) When does the annual revenue hit 35 billion?

(e) Suppose instead, the annual revenue on January 1, 2015 is \$23.5 and grows at a rate of \$3.2 billion per year. Write down a function that describes the revenue over time t in years since January 1, 2015.