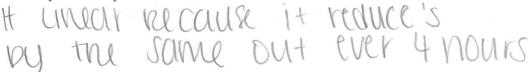
State whether each relationship can be modeled with a linear function or an exponential function and justify your choice. Note: You do not need to write the function

1. The relationship between the distance driven and the charge when a taxi driver charges

\$2.50 for the first mile and \$1.50 for each additional mile.								
	EXPO	netial	function recause				Se	
	It'S	going	70	more	NO	Me	FIRST	MI
	and	150	M	the ve	TT:	OF tV	QW	

2. The relationship between the number of bacteria and time when a culture of 6000 bacteria is reduced by 50% every 4 hours.



3. The relationship between the volume of a landfill and time when the volume doubles every three years.

3 years.

4. The relationship between the altitude of a hot air balloon and time when the hot air balloon takes off at 5500 feet above sea level and rises 120 feet every minute.

EXPONETIAN DECCUSE the balloon