<b>2</b> .	[6 points] Scientists are studying three different populations of bacteria.
	a. [4 points] Population A is doubling every 5 hours.
	Show any needed work. Give answers in exact form or rounded to 3 decimal places.
	i. What is the growth factor for population A?
	Answer:
	ii. How long does it take population A to triple?
	Answer: hour
	b. [2 points]
	Population B is growing exponentially at a rate of 16% per hour. Population C is growing exponentially at a <i>continuous</i> rate of 14% per hour.
	Which of these two populations is growing more quickly? Circle your answer, then briefly justify.
	POPULATION B POPULATION C
	Justification: