Math 135, Calculus 1, Fall 2020

Weekly Quiz 09-16

Question 1.	(1) Find all values of θ between 0 and 2π such that $\csc(\theta) = 2$.
(2) Comp	bute $\sin^{-1}(1/2)$.
given by (1) How	The population of bacteria on some petri dish as a function of time (in minutes) is $Q(t) = 400 \cdot 3^{t/45}.$ long does it take the population to triple? Given an exact value (no decimal approxim); can use algebraic or transcendental functions).
(2) How	long does it take for the population to double? Given an exact value.