Quiz 7.5 – Differential Equations

 (1 pt) alfredLibrary/AUCI/chapter7/lesson5/quiz/question5pet.pg 	
Find y as a function of t if $10000y'' - 729y = 0$, $y(0) = 1$, and	
y'(0)=2.	

$$y(t) = \underline{\hspace{1cm}}$$

(HINT: First solve 10000y'' - 729y = 0 for y''.)

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2. (1 pt) alfredLibrary/AUCI/chapter7/lesson5/quiz/DE2pet.pg
Find y as a function of t given that $1600y'' + 729y = 0$, $y(0) = 8$,
and $y'(0) = 7$.

$$y(t) =$$

(HINT: First solve 1600y'' + 729y = 0 for y''.)