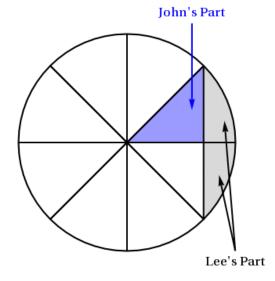
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Cur	rrent Score: 0/99 Due : Thu Oct 2 2014 11:58	PM PDT	
Q	uestion 1 2 3 4 5 6 7 8 9 0/12 0/12 0/12 0/12 0/12 0/12 0/12 0/0 0/12 0/12	Total	
F	Points	0/99	
1.	0/12 points		UWAPreCalc1 1.P.001. [2424410] _
	(a) Convert 7746.66 seconds into units of I	nours, minutes, and	seconds.
	2 hours 9 minutes 6.66 seconds		
	9 hours 2 minutes 6.66 seconds		
	○ 3 hours 19 minutes 5.66 seconds		
	2 hours 14 minutes 6 seconds		
	3 hours 19 minutes 5 seconds		
	(b) Which is faster: 60 mph or 100 ft/s?		
	○ 100 ft/s		
	for each hour that the class meets per wee count for three credits. In addition, suppos	k. For instance, a c e that you spend <mark>2</mark>	e. You accumulate credit at the rate of one credit per quarter lass that meets three hours each week of the quarter will 5 hours of study outside of class for each hour in class. A e spent in class and time spent studying out of class, must
2.	0/12 points		UWAPreCalc1 1.P.002. [2123831] _
		her time around the	gton in 2 hours and 40 minutes. If she could increase her the loop by 7 minutes. How many kilometers long is the loop?
3.	0/12 points		UWAPreCalc1 1.P.003. [2123823] _
	The density of lead is 11.34 g/cm ³ and the spheres each having a mass of 10 kg. (Rou lead cm aluminum cm	•	m is 2.69 g/cm ³ . Find the radius of lead and aluminum two decimal places.)

4.	0/12 points	UWAPreCalc1 1.P.005. [2123826]
	Marathon runners keep track of their speed using units of pace = minutes	s/mile.
	(a) Lee has a speed of 18 ft/sec; what is his pace? (Round your a min/mi	nswer to one decimal place.)
	(b) Allyson has a pace of 9 min/mile; what is her speed? (Round to ft/sec	your answer to one decimal place.)
	(c) Adrienne and Dave are both running a race. Adrienne has a pamph. Who is running faster?	ace of 5.8 min/mile and Dave is running 10.2
	○ Adrienne	
	O Dave	
5.	0/6 points	UWAPreCalc1 1.P.007. [2309202]
	Which is a better deal: a 10 inch diameter pizza for \$8 or a 15 inch diame	eter pizza for \$16?
	○ 10 inch diameter pizza	
	○ 15 inch diameter pizza	
6.	0/12 points	UWAPreCalc1 1.P.009. [2123844]
	During a typical evening, a pizzeria receives phone orders for pizza delive	ry at a constant rate: 16 orders in a typical
	3 minute period. How many pies are sold in 3 hours?	
	pies	
	Assume the pizzeria starts taking orders at 5:00 PM and the profit is a con-	nstant rate of \$11 on 10 orders. When will phone
	order profit exceed \$1,000? (Round your answer to the nearest minute.)	
	:PM	

7. 0/12 points UWAPreCalc1 1.P.010. [2123821]

Aleko's Pizza has delivered a beautiful 14 inch diameter pie to Lee's dorm room. The pie is sliced into 8 equal sized pieces, but Lee is such a non-conformist he cuts off an edge as pictured. John then takes one of the remaining triangular slices.



willo has more pizza:	
John	
○ Lee	

By now much? (Round your answer to two decimal places.)	
in ²	

8. 0/9 points UWAPreCalc1 1.P.012. [2125376]

A water pipe mounted to the ceiling has a leak and is dripping onto the floor below, creating a circular puddle of water. The area of the circular puddle is increasing at a constant rate of 11 cm^2 /hour.

(a) Find the area and radius of the puddle after 1 minute	e, <mark>98</mark> minutes,	4 hours,	and 1 day	. (Round	your	answers	tc
four decimal places as needed.)							

area after 1 minute	cm ²
radius after 1 minute	cm
area after <mark>98</mark> minutes	cm ²
radius after 98 minutes	cm
area after 4 hours	cm ²
radius after 4 hours	cm
area after 1 day	cm ²
radius after 1 day	cm

- (b) Is the radius of the puddle increasing at a constant rate?
 - Yes
 - No

9.

0/12 points UWAPreCalc1 1.P.014. [2123789]
Dave has inherited an apple orchard on which 60 trees are planted. Under these conditions, each tree yields 14 bushels of apples. According to the local WSU extension agent, each time Dave removes a tree the yield per tree will go up 0.45 bushels. Let x be the number of trees in the orchard and N the yield per tree.
(a) Find a formula for N in terms of the unknown x . (Hint: Make a table of data with one column representing various values of x and the other column the corresponding values of x . After you complete the first few rows of the table, you need to discover the pattern.)
(b) What possible reason(s) might explain why the yield goes up when you remove trees?

Assignment Details