## Section 6.6: Surface Area

MATH 131: Calculus II	Your Name (Print):	
Due: Friday, February 28, 2020 at	1:30pm	
Be sure to staple your pages togeth parts to all questions to earn to	57-462 in the text), respond to the following questions on this handouter before turning it in if they are not double sided. You must answer afull credit!!! Also, use FULL SENTENCES to answer question nonhomework guidelines handout for details. You are encouraged to takeeping your class notes.	al ns
Response Section		
1. What is a frustum? Answer in a of a frustum.	sentence then draw Figure 6.62 and give the formula for the surface ar	ea
	ling the surface area of a surface of revolution? That is, why do we waula for surface area? (Hint: look at figures 6.63 and 6.64.)	ınt
3. State the definition of the area	of a surface generated by rotating $y = f(x)$ about the x-axis.	

4. Describe in words what the formula for surface area is. That is, in words, what is in the integrand of the integral? (You did this in question one of your reading assignment for Section 6.4 as well.)
Questions/Exercise Section
5. Write down at least two questions you have on the reading. OR if you have NO questions, do exercise 10 in Section 6.6 (page 463). Be sure to show your work for full credit! See the salmon homework guidelines handout for details.
Reflection Section
6. Write <b>two or three</b> sentences reflecting on the progress of your work so far in the course. See the salmon homework guidelines handout for details.
Time Section
7. How much time did you spend on this reading assignment?