Math 103, Fall 2014 Week 11

Check Homework Problems

- 1. You should apply L'Hospital's rule four times, and end up with 0.
- 2. You should apply L'Hospital's rule twice, and after the second time you should end up with $\lim_{x\to 0^+} 2x$.
- 3. The answer should be the same as the previous one.
- 4. You should get e.
- 5. You should get 1.
- 6. You should get that x = 15. (This problem is a lot easier if make good choices about the algebra.)
- 7. At the optimal dimensions, there should be 30 extra feet extending the barn.
- 8. The dog should jump in when $5/\sqrt{3}$ meters away from the professor
- 9. When using the minimum amount of material, you'll use 368.97 square feet of material.