

Example Exam, Your Class, Fall 2016

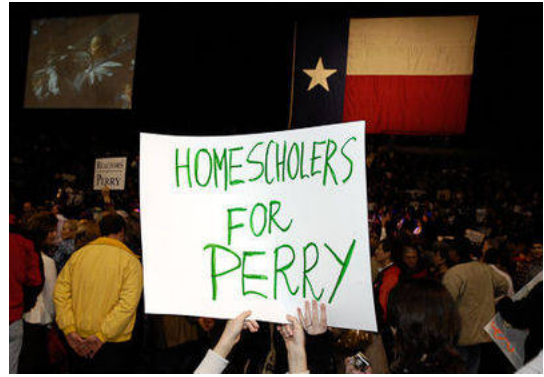
KEY

Pick the best answer for each question: 2 points each.

1. Grits *cannot* be served with:
 - (a) butter.
 - (b) bacon.
 - (c) shrimp.
 - (d) sugar.**
 - (e) cheese.
2. L^AT_EX is the superior document formatting engine because:
 - (a) Microsoft Office still can't format tables worth a damn.
 - (b) BibT_EX's engine, despite its shortcomings, is still better than EndNote.
 - (c) Just try formatting math equations with any other engine. Go ahead. I'll wait.
 - (d) All of the above are correct.**
3. Open source software is best because...
 - (a) It's worth the price you paid for it; "free" may mean "not professional-grade," but it's still alright.
 - (b) You can make improvements, add documentation, test code, and fix problems in the software; thus, everyone can help make good software better.**
 - (c) Destroying capitalist software companies should be everyone's goal, right comrade?
 - (d) Two words: *feature creep*.
4. The "four-thirds" model of radio propagation:
 - (a) Allows users to more or less correctly predict UHF and microwave straight-line propagation, because the atmosphere bends even UHF radio waves just enough such that a "straight line" is straight if you assume the Earth's radius is actually $\frac{4}{3}$ of its true radius.**
 - (b) What do digital image sensors have to do with radios?
 - (c) Is so named because you need more than one engineering degree to understand it.
 - (d) Uh, all of the above?
5. Writing L^AT_EX code with R or Python:
 - (a) is so *meta*.
 - (b) is further evidence that Microsoft Office can't format tables worth a damn.
 - (c) is a remarkably powerful way to create output both for the analysis and paper submission phases of research.**
 - (d) is so elitist I could just scream.
6. "I'm a political scientist."
 - (a) I HAVE MANY OPINIONS ABOUT POLICY AND I WILL MAKE YOU LISTEN TO THEM!
 - (b) Aww, you used the word "*scientist*" to describe yourself...you're just so *adorable*.
 - (c) Politics? Then why do you use so much math?**
 - (d) Judging from your analytical methods, you're either an economist, a biologist, or a computer scientist.
7. YikYak:
 - (a) Kik?
 - (b) SC?
 - (c) ayyyyy LMAO.
 - (d) $\{\text{anonymousRacistStatement}\}$
 - (e) is an open sewer.**

8. Why is this picture funny?

- (a) Rick Perry wasn't home schooled.
- (b) **This person's children might be much better off in public school.**
- (c) Ted Cruz was speaking, not Rick Perry.
- (d) IT IS VERY RUDE TO SHOUT.



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Extra Credit

1 point each.

Name: _____

1. Why does Python make life easier?

Because the code is more readable than Perl, even though Perl is easier to write.

2. Why does R make life easier?

Acceptable answers include: impressive graphics, ability to use it in a cluster environment, \LaTeX output tables, and forcing users to learn more about the numerical methods they are using.

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