

MTH 60 Worksheet 4  
Instructor: Kandace Kling

Name \_\_\_\_\_  
Due: Wednesday, 2/18/15 at 11:00 am

**To earn full credit for this worksheet, you must follow the MTH 60 Documentation guidelines and do your work in pencil. No late work accepted.**

Keep in mind that your homework is part of your "grade application," just as a cover letter and resume are part of a job application. Impressions count. Neatness and completeness make a lasting impression on the instructor (so does turning your homework in on time).

1. Including 8.2% sales tax, a bed-and-breakfast inn charges \$162.30 per night. Find the inn's nightly cost before the sales tax. Remember to define your variable, use algebra to solve, show all of your work, and write your answer in a complete sentence.

2. Solve the proportion  $\frac{ax-b}{b} = \frac{c-d}{d}$  for  $x$ .

3. A rectangular swimming pool has a width of 32 feet and an area of 1536 square feet. What is the pool's length?