

Alg2 Homework, due Thursday, Jan 18

Answers should be on a separate sheet of paper.

1. Find the exact value of $9^{\frac{11}{10}} \cdot 9^{\frac{2}{5}}$ without using a calculator. Show all your steps.
2. Justify that $\sqrt[3]{8} \cdot \sqrt[3]{8} = \sqrt{16}$ using the properties of exponents in at least two different ways. Show all your steps.