

Name _____
Mrs. Roubos

Date _____
8A Period _____

Homework

Simplify:

1) $|6 - 10| + 3|-5| =$

2) $-|-2 \cdot 5| =$

3) $\sqrt{\frac{100}{225}} =$

4) $-\sqrt{16} =$

5) $-\sqrt[3]{27} =$

6) $\sqrt[3]{\frac{64}{216}} =$

For #'s 7-11 your answer should be in scientific notation

7) $\frac{(5.6 \times 10^{-4})}{(2.24 \times 10^{-5})}$

8) $(6.2 \times 10^{-3})(3.17 \times 10^7)$

9) $(2.6 \times 10^5) - (3.6 \times 10^4)$

10) $(5.3 \times 10^7) + (8 \times 10^7)$

**11) About 1.37×10^7 people live in South Africa. English is the primary language for about 3.7×10^6 of these people. The rest speak it as a secondary language. In scientific notation, about how many speak English as a secondary language?

**12) The land area of Connecticut is about 4.8×10^3 square miles. The land area of New Mexico is about 1.2×10^5 square miles. About how many times greater is the land area of New Mexico than the land area of Connecticut?