

Math 100  
Fall, 2008

Name \_\_\_\_\_

Homework #9  
Due Wednesday, October 15  
No late papers accepted! No excuses!

1. Write the number  $10101_{\text{two}}$  in base 10.

2. Write the number  $5AC_{\text{sixteen}}$  in base 10.

3. Write the number  $625_{\text{ten}}$  to base 8.

4. Write the number  $4923_{\text{ten}}$  to base 16.

5. Multiply:  $101_{\text{two}} \times 110_{\text{two}}$

6. Multiply:  $46_{\text{eight}} \times 5_{\text{eight}}$

7. Subtract:  $3264_{\text{eight}} - 756_{\text{eight}}$