

# Octal Number Conversions

*January 3, 2014*

Name: \_\_\_\_\_ Period: \_\_\_\_\_

1. Convert each of the following decimal numbers into their equivalent octal numbers.

a. 6

d. 31

b. 13

e. 25

c. 19

f. 169

2. Convert each of the following octal numbers into their equivalent decimal numbers.

a. 13

d. 377

b. 5

e. 36

c. 25

f. 165

3. Convert each of the following octal numbers into their equivalent binary numbers.

a. 13

e. 6

b. 52

f. 164

c. 72

g. 704

d. 114

h. 635

4. Convert each of the following binary numbers into their equivalent octal numbers.

a. 1011011

e. 10001001

b. 11011101

f. 11001100

c. 1011

g. 11011

d. 111

h. 1110001