

In each case show significant work. Do not use a calculator. Do not copy, do it yourself.

**Problem 1.** Convert  $(1625)_{10}$  to each of the following bases:

(a) base 2 (binary)

(b) base 8 (octal)

(c) base 16 (hexadecimal)

**Problem 2.** Convert  $(1625)_{10}$  to each of the following bases:

(d) base 5

(e) base 7

(f) base 11

(g) base 4