Name _____

Teacher/Hour _____

WARRIOR SIDE QUEST
Octal Conversions

Early digital computers used base 8, known as octal, as a basis for their computations. In particular, IBM and DEC sold many computers based on octal. Use the following table to perform the attached conversions.

Decimal Value	Octal Symbol
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7

A) Octal to Decimal

125

241

413

55

631

B) Decimal to Octal

33

298

127

396

458

C) Binary to Octal

1010001

1010000

111001001

111100110

11111

D) Octal to Binary

454

257

554

542

260

E) Octal to Hexadecimal

257

667

651

41

655

F) Hexadecimal to Octal

7A

15A

E4

1A0

2E