

# NUMBER BASES

TEXT: 4.3

|           |            |      |
|-----------|------------|------|
| LAST NAME | FIRST NAME | DATE |
|-----------|------------|------|

1 (8 points). Convert the given number into base 10:

(a)  $1001_2$

(e)  $12345_7$

(b)  $11001100_2$

(f)  $706050_8$

(c)  $23_{2023}$

(g)  $ACED_{16}$

(d)  $101.01_2$

(h)  $3.14_5$

2 (6 points). Convert the number 2026 into the specified base:

(a) base 2

(d) base 7

(b) base 3

(e) base 11

(c) base 5

(f) base 16