

# ***Problem Set #1 on Positional Number Representation***

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1. Convert the number ***1298.9374*** to each of the following radices:

- a) ***2***
- b) ***3***
- c) ***5***
- d) ***7***
- e) ***8***
- f) ***11***
- g) ***16***
- h) ***19***

2. Convert the number ***963.4851*** to each of the following radices:

- a) ***2***
- b) ***5***
- c) ***8***
- d) ***9***
- e) ***13***
- f) ***15***
- g) ***16***
- h) ***17***

3. Convert the number ***375.375*** to each of the following radices:

- a) ***2***
- b) ***8***
- c) ***16***

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4. Convert each of the following numbers to decimal:

- a)  $11010110.01101011_2$
- b)  $1234.4321_5$
- c)  $634.327_8$
- d)  $678.876_9$
- e)  $D6.6B_{16}$