MATH 01 - Arithmetic, Sec. 9777-D20
First test. Time allowed: two hours. Professor Luis Fernández
NAME:
INSTRUCTIONS: Solve the following exercises. You must show work in order to receive credit in any of the exercises. This includes all sums, long divisions, etc.
[10] 1. Add:
a) $2441+5432$
b) $24975+34422$
c) $24413+432+25$
d) $6877+3126$
[10] 2. Subtract:
a) $8543-5412$
b) $4975-3898$
c) $24413-433$
d) $10002-3126$
[10] 3. Multiply:
a) $8543 \times 32$
b) $4975 \times 389$
c) $244 \times 4331$
d) $3126 \times 10002$
[10] 4. Divide:
a) $8543 \div 23$
b) $4975 \div 389$
c) $14499 \div 145$
d) $34423 \div 343$
[10] 5. Find the average of the following sets of numbers:
a) $4,6,8,5,9,10$.
b) $33,55,38,46,68$
[10] 6. Suppose that the final grade in this class is given by the average of the grades in four exams. If your grades in the first three exams are 94,82 and 88 , what do you need to get in the last exam so that your final average is 85 ?
[10] 7. Find the value of the following expressions.
a) $7+3 \times 4$
b) $4+8-3+17-6$
c) $2 \times 7^{2}-(7+3) \times 4-(6 \div 3+1)$
d) $4 \times 6 \div 3 \div 2$
[10] 8. Find the perimeter of the following figure.

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[10] 9. Find the area of the following figure.

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[510. Convert the following improper fractions into mixed numbers.
a) $\frac{8}{5}=$
b) $\frac{211}{12}=$
[511. Convert the following mixed numbers into improper fractions.
a) $5 \frac{3}{7}=$
b) $17 \frac{13}{15}=$

