MATH 01 - Arithmetic, Sec. B04-45391

First test. Time allowed: one hour. Professor Luis Fernández

NAME:_____

INSTRUCTIONS: Solve the following 25 exercises. Each is worth 4 points. **You must show all your work** in order to receive any credit. This includes all **sums**, **long divisions**, etc.

1. Add: $457 + 142$

2. Add: $18257 + 4286$

3. Subtract: $9657 - 5324$

4. Subtract: $5657 - 4789$

5. Multiply: 653×53

6. Multiply: 128×267

7. Divide, finding the quotient and remainder:
$453 \div 8$

8. Divide, finding the quotient and remainder:
$753 \div 31$

9. Divide, finding the quotient and remainder:
$7532 \div 27$

10. $32 \div 0 =$ (circle the right answer below):

a) 0

b) Undefined

c) 32

d) 1

11. Find the value of the following expression:
$6 + 4 \times 5$

12. Find the value of the following expression:
$4 \cdot 7 + 3 \cdot 4$

13. Find the value of the following expression:
$4 + (-7) - 3 - (-5) + 8$

14. Find the value of the following expression:
$2 \times 6^2 - (6 + 4) \times 5 - (8 \div 4 + 1)$

15. Add: $(-7) + 15$

16. Add: $(-82) + (-34)$

17. Subtract: $(-12) - (-9)$

18. Subtract: $(-37) - 58$

19. Multiply: $(-12) \cdot (-9)$

20. Multiply: $(-37) \cdot 5$

21. Divide: $(-12) \div (-4)$

22. Divide: $72 \div (-18)$

23. Find the value of $|-23|$

24. Find the value of $|5 - |-7||$

25. The temperature in Chicago on January 31st was 29 degrees below zero. On February 1st it was 23 degrees above zero. What was the increase in temperature between these days?