

MATH 01 - Arithmetic, Version D01

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

NAME: _____

INSTRUCTIONS: Solve the following 26 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: $112 + 242$

2. Add: $8257 + 3286$

3. Subtract: $8757 - 5321$

4. Subtract: $657 - 489$

5. Multiply: 23×53

6. Multiply: 234×102

7. Divide, finding the quotient and remainder:
 $45 \div 8$

8. Divide, finding the quotient and remainder:
 $759 \div 31$

9. Divide: $0 \div 16 =$ (circle the right answer below):

- a) 0
- b) Undefined
- c) 1
- d) 16

10. Divide: $32 \div 0 =$ (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:

$$2 \times 3^2 - (6 + 2) \times 3 - (8 \div 4 + 1)$$

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

16. Add: $(-12) + (-7)$

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

18. Subtract: $(-31) - 46$

19. Multiply: $(-6) \cdot (-9)$

20. Multiply: $(-33) \cdot 5$

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

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

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

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

25. Evaluate $[18 \div (9 \div 3)]^2$

26. Find the value of $2 \cdot 5 \cdot 10 \div 5 + 3$