A278 Algebraic proofs

1. proof
2. proof
3. proof
4. proof
5. proof
6. proof
7. proof
8. proof
9. proof
10. proof
11. proof
12. proof
13. proof
14. a) abc cba

$(100a + 10b + c) - (100c + 10b + a)$

$100a + 10b + c - 100c - 10b - a$

$99a - 99c \equiv 99(a - c)$ ∴ always a multiple of 99 □

b) yes

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