

Name: _____

Date: _____

Class Number: _____

You try (with some hints): $36x^2 - 64y^4$

a. Factor out GCF for both the coefficients and the variables

b. Divide each term in the equation by the GCF

c. Put the GCF on the outside of a set of parenthesis and the divided terms on the inside

_____ (_____ - _____)

Factor out the GCF:

1. $x^3 + x^2 + x$

2. $15a + 12b + 6c$

3. $x^2y + 2y$

4. $4x - 4x^2$

5. $15x^2 + -50x + -10$

6. $18k + 36k^2 + 9k^3$

7. $a^3b^2 + a^3b^4 + ab^4$

8. $18kxy + 4xy + 2k^2xy$

9. $45xy - 13z$

10. $34a - 17$

11. $8a^2 - 4a$

12. $11x + 44x^2y$

13. $16y^2 + 8y$

14. $14xz - 18xz^2$

15. $25a^2b^2 + 30ab^3$

16. $36p^2q^2 - 12pq$

17. $3x^3y + 9xy^2 + 36xy$

18. $12ax + 20bx + 32cx$