

Factoring Practice**Short Answer****Factor out the GCF.**

1. $8x^2 - 26x$

2. $15a^3 - 25ab^2 + 5a$

3. $24x^3y^3 - 36x^5y^2$

4. $2a^2b + 4bc^2 - 6ab$

Factor by grouping.

5. $2ab + 8a + 3b + 12$

6. $2x^3 - 5x^2 + 6x - 15$

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

Factor each trinomial.

8. $3x^2 + 13x + 14$

9. $2x^2 + 3x - 20$

10. $x^2 - 9x + 18$

11. $6x^2 - 5x - 6$

12. $6x^2 + 5x - 6$

13. $16x^2 - 22x - 3$

Factor each difference of squares.

14. $4a^2 - 9$

15. $25c^2 - 49d^2$

Name: _____

ID: A

Factor completely...by whatever techniques are necessary.

16. $x^3 + 27$

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17. $6a^3 - 21a^2 - 12a$

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18. $2x^3 + 3x^2 - 8x - 12$

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19. $4n^4 - m^2$

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20. $ax^2 + 45 - 9a - 5x^2$