Factoring Polynomials

Factoring Polynomials: GCF, Difference of Squares, Quadratics with a = 1 & a ≠ 1 - Completion

Rewrite each polynomial pulling out the GCF of each:

1. $3x + 3$	2. $25u^2 - 14u$
3. $32a^5 - 2a^3 + 6a$	4. $5u^3 + 5u^2 + 5u$

Completely Factor each of the following Difference of Squares:

5. $x^2 - 25$	6. $x^2 - 121$
7. $144x^2 - 1$	8. $289x^2 - 4$

Completely Factor each of the following Quadratics with a = 1:

9. $n^2 + 15n + 26$	10. $s^2 + 10s - 11$
11. $b^2 - 5b - 14$	12. $a^2 + 5a - 84$

Completely Factor each of the following Quadratics with a ≠ 1:

13. $7x^2 - 8x + 1$	14. $4n^2 - 7n + 3$
15. $3s^2 + 4s - 4$	16. $6z^2 + 13z - 5$