Algebra 2
Factoring Worksheet

Factoring Difference of Squares Worksheet

Name_____

Factor the following Difference of Perfect Squares.

1. $x^2 - 25$
2. $x^2 - 9$
3. $x^2 - 81$
4. $x^2 - 49$
5. $x^2 - 36$
6. $9x^2 - 16$
7. $x^2 - 1$
8. $64x^2 - 9$
9. $144x^2 - 169$
10. $16x^2 - 9$
11. $x^2 - 121$
12. $25x^2 - 9$
13. $16x^2 - 25$

Factor out a GCF if necessary. The factor using the Difference of Squares.

14. $8x^2 - 32$
15. $12x^2 - 48$
16. $3x^2 - 27$
17. $4x^2 - 16$
18. $7x^2 - 7$
19. $25x^2 - 100$
20. $3x^2 - 75$
21. $14x^2 - 14$