

Geometry—Algebra Review
Factoring Trinomials

HW # _____ Name _____
Show all work on your own paper.

A22

Copy problems on your own paper and show work.

Factor completely.

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

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

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

4. $x^2 - 18x - 40$

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

6. $2x^2 - 2x - 4$

7. $3x^2 + 9x - 30$

8. $x^3 + 13x^2 + 36x$

9. $2x^2 + 5x + 3$

10. $3x^2 - 7x + 2$

11. $3x^2 + 8x - 3$

12. $2x^2 + 7x - 4$

13. $10x^2 - 3x - 1$

14. $3x^2 - 13x + 12$

15. $6x^2 - 13x + 2$

16. $15x^2 + x - 2$

Review: Multiply and simplify.

17. $(7x+4)(2x-5)$

18. $(6x-7)^2$

19. $(3x-4)(2x^2-7x+5)$

20. $(8x^2+3)(8x^2-3)$

Geometry
Algebra Review **A23**
Factoring Trinomials and Special Products

HW # _____

Name _____

Date _____

Copy problems on your own paper and show work.

Factor completely. Give final answers in simplest factored form.

1. $9x^2 - 49$

2. $25x^2 - 36$

3. $3x^2 - 48$

4. $8x^2 - 162$

5. $x^2 + 24x + 144$

6. $25x^2 - 20x + 4$

7. $2x^2 - 28x + 98$

8. $45x^2 + 30x + 5$

9. $x^2 - 27x - 90$

10. $2x^2 - 5x - 42$

11. $3x^3 + 13x^2 + 14x$

12. $2x^2 - 5x - 88$

13. $4x^3 + 14x^2 + 6x$

14. $6x^2 - 33x + 15$

15. $12x^2 - 20x - 8$

16. $3x^2 - 14x + 15$

17. $12x^2 + 7x - 10$