

Math 3

Name _____

Factoring

Date _____

Solve by factoring

$$1. \ x^2 + 7x + 6 = 0$$

$$7. \ 15x^2 - 16x + 4 = 0$$

$$2. \ 4x^2 - 4x - 120 = 0$$

$$8. \ 4x^2 - 1 = 0$$

$$3. \ 8x^2 - 22x + 12 = 0$$

$$9. \ 2x^2 - 26x + 72 = 0$$

$$4. \ x^2 - 36 = 0$$

$$10. \ x^2 + 12x + 27 = 0$$

$$5. \ -x^2 + 4x + 60 = 0$$

$$11. \ 18x^2 + 9x + 1 = 0$$

$$6. \ 3x^2 + 22x - 16 = 0$$

$$12. \ x^2 - 14x + 49 = 0$$

$$13. -4x^2 + 12x - 8 = 0$$

$$19. 3x^2 - 13x + 14 = 0$$

$$14. 8x^2 - 72 = 0$$

$$20. 12x^2 - 7x + 1 = 0$$

$$15. 28x^2 + 60x - 25 = 0$$

$$21. 16x^2 - 121 = 0$$

$$16. x^2 - 4x - 45 = 0$$

$$22. 6x^2 - 19x + 15 = 0$$

$$17. 4x^2 + 24x - 64 = 0$$

$$23. 25x^2 + 90x + 81 = 0$$

$$18. 5x^2 + 27x - 18 = 0$$

$$24. x^4 - 81 = 0$$