

Name: _____ is Capable! 😊

Math 115 Spring 2026

Date: _____

Mr. Sahney

Standard 8 Practice

Directions: Please complete on separate piece of paper! Show all your work

Factor each polynomial completely or write PRIME

1. $14x^2 - 35x$

7. $3x^2 - 5x - 2$

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

8. $2x^2 + 8x + 6$

3. $y^2 - 36$

9. $100 - k^2$

4. $6a^2 - 17a + 12$

10. $2x^4 - 8x^2$

5. $20a^3 + 12a^2 + 28a$

11. $x^3 - 2x^2 - 9x + 18$

6. $4x^2 - 8x + 3x - 6$

12. $x^2 + 81$

$$13. 2x^2 - 12x + 18$$

$$17. 5x^2 - 7x - 6$$

$$14. x^3 - 27$$

$$18. 8x^4y^2 + 6x^3y^3 - 2xy^4$$

$$15. 25y^2 - 9$$

$$19. 8x^3 - 64$$

$$16. n^2 - 8n - 20$$

$$20. y^2 - 2y + 5$$