

11.7 Factoring Special Products

Objective: *I CAN . . . factor special products.*

WARM-UP:

Multiply:

a. $(x+2)(x-2)$

b. $(4x+5)(4x-5)$

Difference of Squares: $a^2 - b^2 = (a+b)(a-b)$

*** 1st ALWAYS LOOK TO FACTOR OUT GREATEST COMMON FACTOR ***

1. $m^2 - 4$

2. $49x^2 - 81$

3. $25x^2 - 16$

4. $16 - x^2 =$

5. $y^2 - 1$

6. $100r^2 - 9$

7. $27x^2 - 12$

8. $50 - 98x^2$

9. $36 - x^2$